FIG. 1

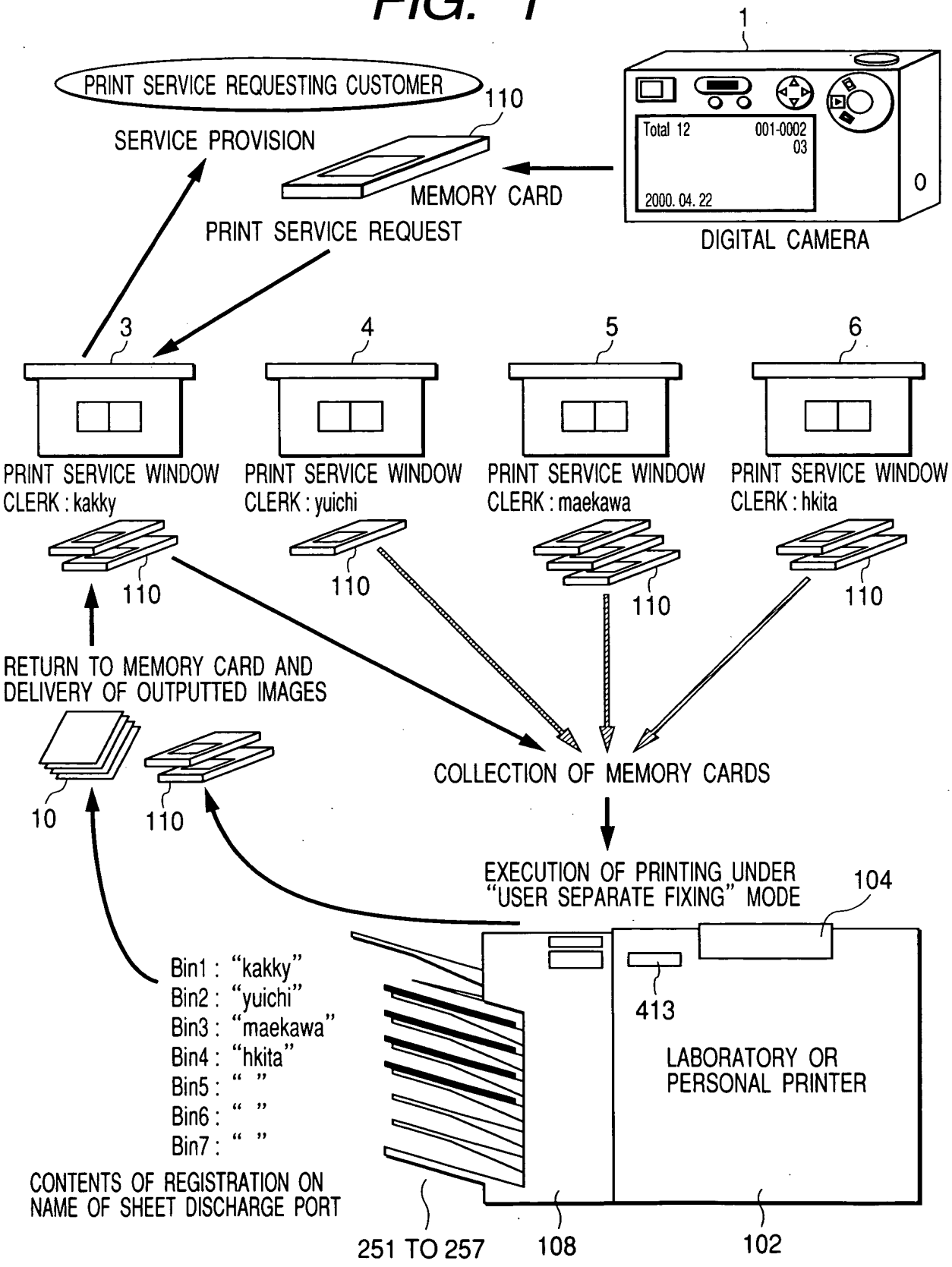
1
PRINT SERVICE REQUESTING CUSTOMER
110
SERVICE PROVISION
MEMORY CARD
Total 12
001-0002
03
2000. 04. 22
0
DIGITAL CAMERA
PRINT SERVICE REQUEST
3
4
5
6
PRINT SERVICE WINDOW
CLERK : kakky
PRINT SERVICE WINDOW
CLERK : yuichi
PRINT SERVICE WINDOW
CLERK : maekawa
PRINT SERVICE WINDOW
CLERK : hkita
110
110
110
110
RETURN TO MEMORY CARD AND
DELIVERY OF OUTPUTTED IMAGES
COLLECTION OF MEMORY CARDS
10
110
EXECUTION OF PRINTING UNDER
"USER SEPARATE FIXING" MODE
104
413
LABORATORY OR
PERSONAL PRINTER
Bin1 : "kakky"
Bin2 : "yuichi"
Bin3 : "maekawa"
Bin4 : "hkita"
Bin5 : " "
Bin6 : " "
Bin7 : " "
CONTENTS OF REGISTRATION ON
NAME OF SHEET DISCHARGE PORT
251 TO 257
108
102

FIG. 2

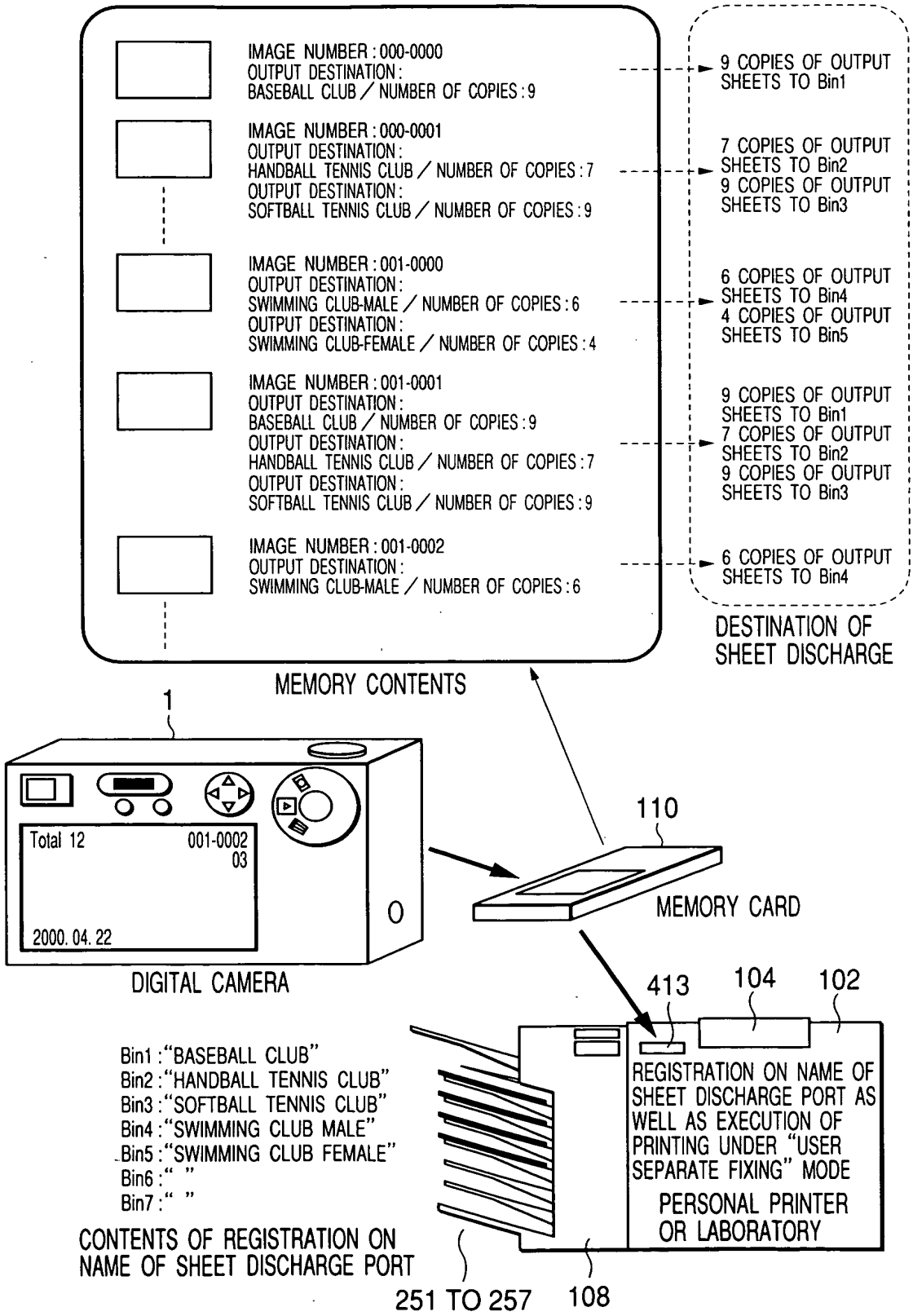
IMAGE NUMBER : 000-0000
OUTPUT DESTINATION :
BASEBALL CLUB / NUMBER OF COPIES : 9
IMAGE NUMBER : 000-0001
OUTPUT DESTINATION :
HANDBALL TENNIS CLUB / NUMBER OF COPIES : 7
OUTPUT DESTINATION :
SOFTBALL TENNIS CLUB / NUMBER OF COPIES : 9
IMAGE NUMBER : 001-0000
OUTPUT DESTINATION :
SWIMMING CLUB-MALE / NUMBER OF COPIES : 6
OUTPUT DESTINATION :
SWIMMING CLUB-FEMALE / NUMBER OF COPIES : 4
IMAGE NUMBER : 001-0001
OUTPUT DESTINATION :
BASEBALL CLUB / NUMBER OF COPIES : 9
OUTPUT DESTINATION :
HANDBALL TENNIS CLUB / NUMBER OF COPIES : 7
OUTPUT DESTINATION :
SOFTBALL TENNIS CLUB / NUMBER OF COPIES : 9
IMAGE NUMBER : 001-0002
OUTPUT DESTINATION :
SWIMMING CLUB-MALE / NUMBER OF COPIES : 6
9 COPIES OF OUTPUT SHEETS TO Bin1
7 COPIES OF OUTPUT SHEETS TO Bin2
9 COPIES OF OUTPUT SHEETS TO Bin3
6 COPIES OF OUTPUT SHEETS TO Bin4
4 COPIES OF OUTPUT SHEETS TO Bin5
9 COPIES OF OUTPUT SHEETS TO Bin1
7 COPIES OF OUTPUT SHEETS TO Bin2
9 COPIES OF OUTPUT SHEETS TO Bin3
6 COPIES OF OUTPUT SHEETS TO Bin4
DESTINATION OF SHEET DISCHARGE
MEMORY CONTENTS
1
Total 12
001-0002
03
2000. 04. 22
0
DIGITAL CAMERA
110
MEMORY CARD
413
104
102
REGISTRATION ON NAME OF SHEET DISCHARGE PORT AS WELL AS EXECUTION OF PRINTING UNDER "USER SEPARATE FIXING" MODE
PERSONAL PRINTER OR LABORATORY
Bin1 : "BASEBALL CLUB"
Bin2 : "HANDBALL TENNIS CLUB"
Bin3 : "SOFTBALL TENNIS CLUB"
Bin4 : "SWIMMING CLUB MALE"
Bin5 : "SWIMMING CLUB FEMALE"
Bin6 : " "
Bin7 : " "
CONTENTS OF REGISTRATION ON NAME OF SHEET DISCHARGE PORT
251 TO 257
108

FIG. 3

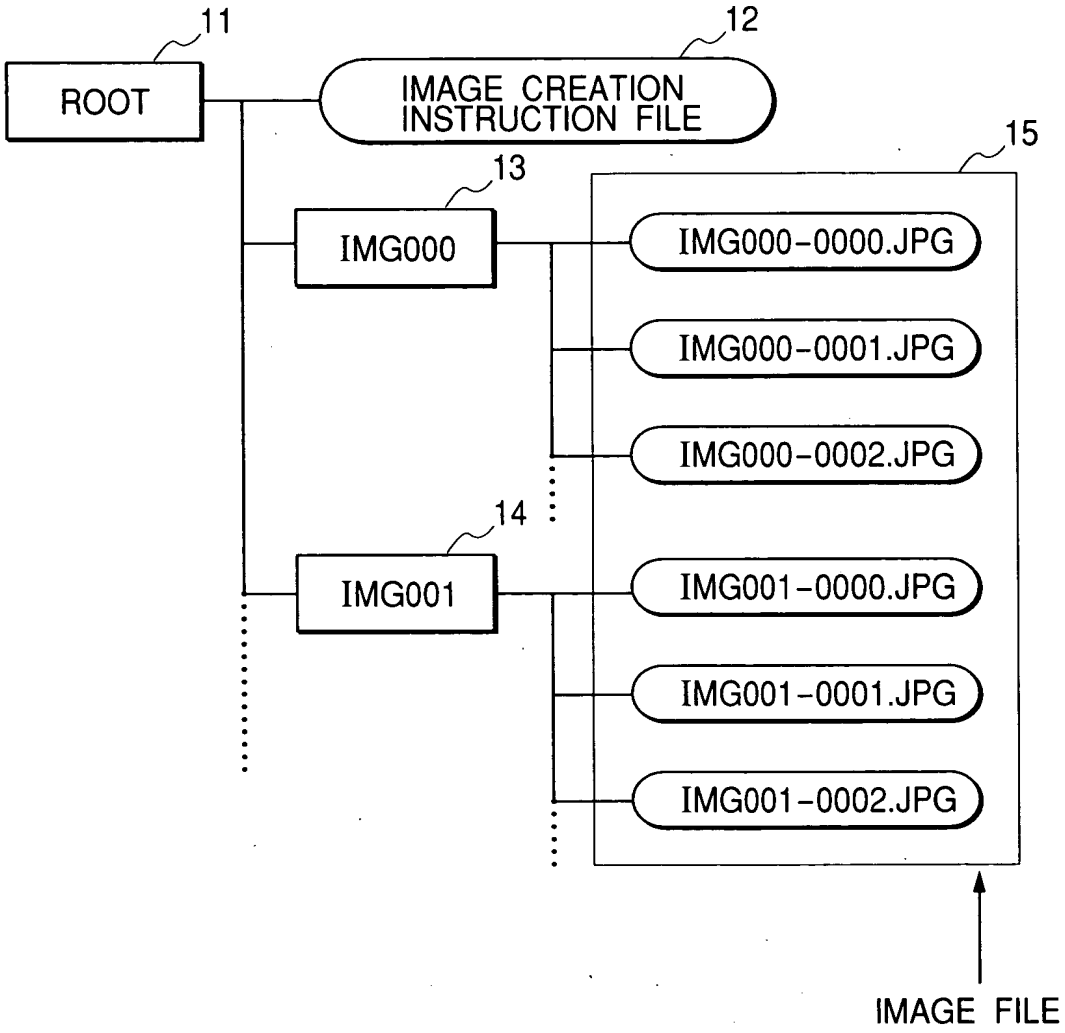
11
12
ROOT
IMAGE CREATION INSTRUCTION FILE
15
13
IMG000
IMG000-0000.JPG
IMG000-0001.JPG
IMG000-0002.JPG
14
IMG001
IMG001-0000.JPG
IMG001-0001.JPG
IMG001-0002.JPG
IMAGE FILE

FIG. 4

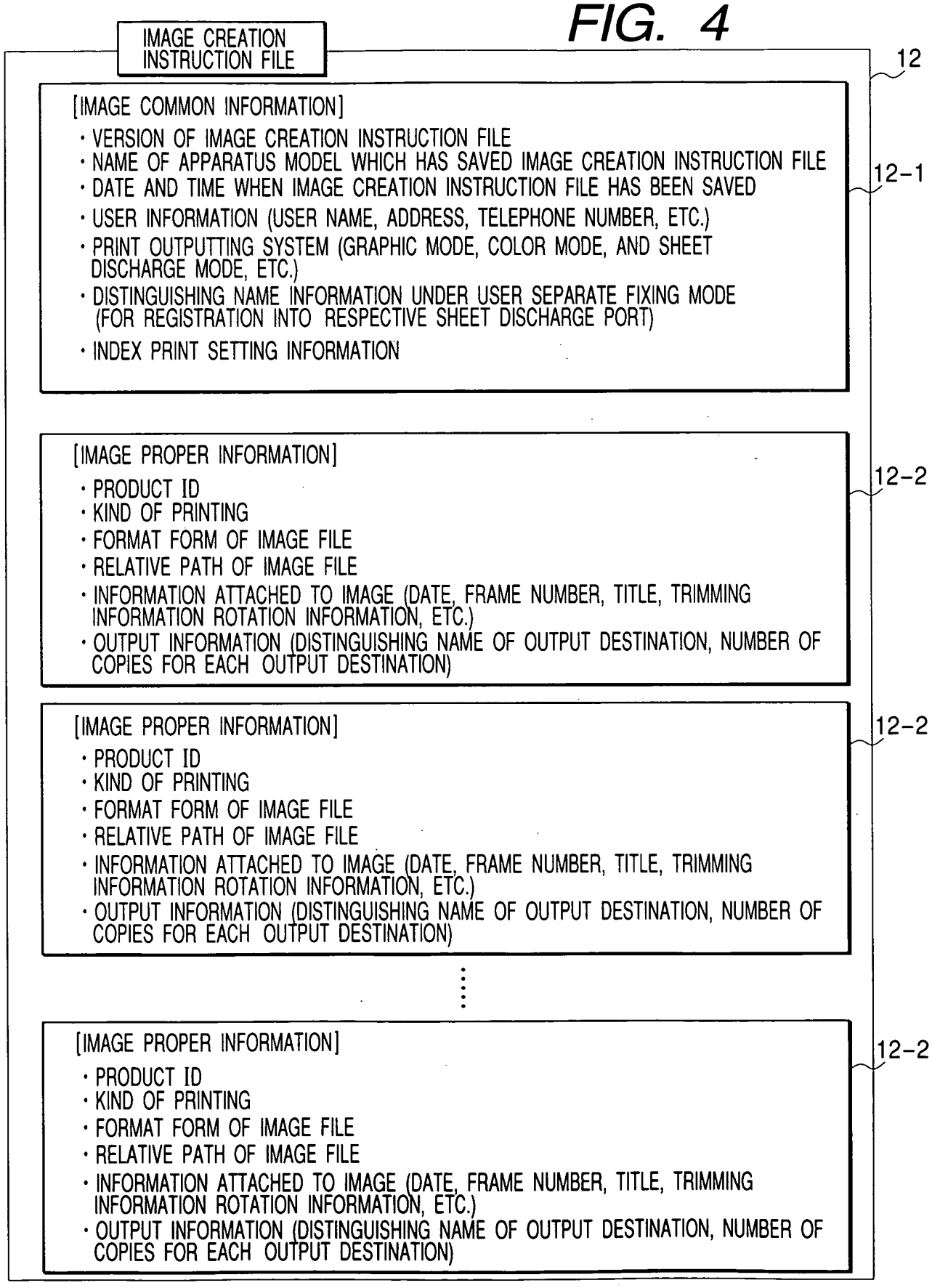
IMAGE CREATION INSTRUCTION FILE
12
[IMAGE COMMON INFORMATION]
· VERSION OF IMAGE CREATION INSTRUCTION FILE
· NAME OF APPARATUS MODEL WHICH HAS SAVED IMAGE CREATION INSTRUCTION FILE
· DATE AND TIME WHEN IMAGE CREATION INSTRUCTION FILE HAS BEEN SAVED
· USER INFORMATION (USER NAME, ADDRESS, TELEPHONE NUMBER, ETC.)
· PRINT OUTPUTTING SYSTEM (GRAPHIC MODE, COLOR MODE, AND SHEET DISCHARGE MODE, ETC.)
· DISTINGUISHING NAME INFORMATION UNDER USER SEPARATE FIXING MODE (FOR REGISTRATION INTO RESPECTIVE SHEET DISCHARGE PORT)
· INDEX PRINT SETTING INFORMATION
12-1
[IMAGE PROPER INFORMATION]
· PRODUCT ID
· KIND OF PRINTING
· FORMAT FORM OF IMAGE FILE
· RELATIVE PATH OF IMAGE FILE
· INFORMATION ATTACHED TO IMAGE (DATE, FRAME NUMBER, TITLE, TRIMMING INFORMATION ROTATION INFORMATION, ETC.)
· OUTPUT INFORMATION (DISTINGUISHING NAME OF OUTPUT DESTINATION, NUMBER OF COPIES FOR EACH OUTPUT DESTINATION)
12-2
[IMAGE PROPER INFORMATION]
· PRODUCT ID
· KIND OF PRINTING
· FORMAT FORM OF IMAGE FILE
· RELATIVE PATH OF IMAGE FILE
· INFORMATION ATTACHED TO IMAGE (DATE, FRAME NUMBER, TITLE, TRIMMING INFORMATION ROTATION INFORMATION, ETC.)
· OUTPUT INFORMATION (DISTINGUISHING NAME OF OUTPUT DESTINATION, NUMBER OF COPIES FOR EACH OUTPUT DESTINATION)
12-2
[IMAGE PROPER INFORMATION]
· PRODUCT ID
· KIND OF PRINTING
· FORMAT FORM OF IMAGE FILE
· RELATIVE PATH OF IMAGE FILE
· INFORMATION ATTACHED TO IMAGE (DATE, FRAME NUMBER, TITLE, TRIMMING INFORMATION ROTATION INFORMATION, ETC.)
· OUTPUT INFORMATION (DISTINGUISHING NAME OF OUTPUT DESTINATION, NUMBER OF COPIES FOR EACH OUTPUT DESTINATION)
12-2

FIG. 5

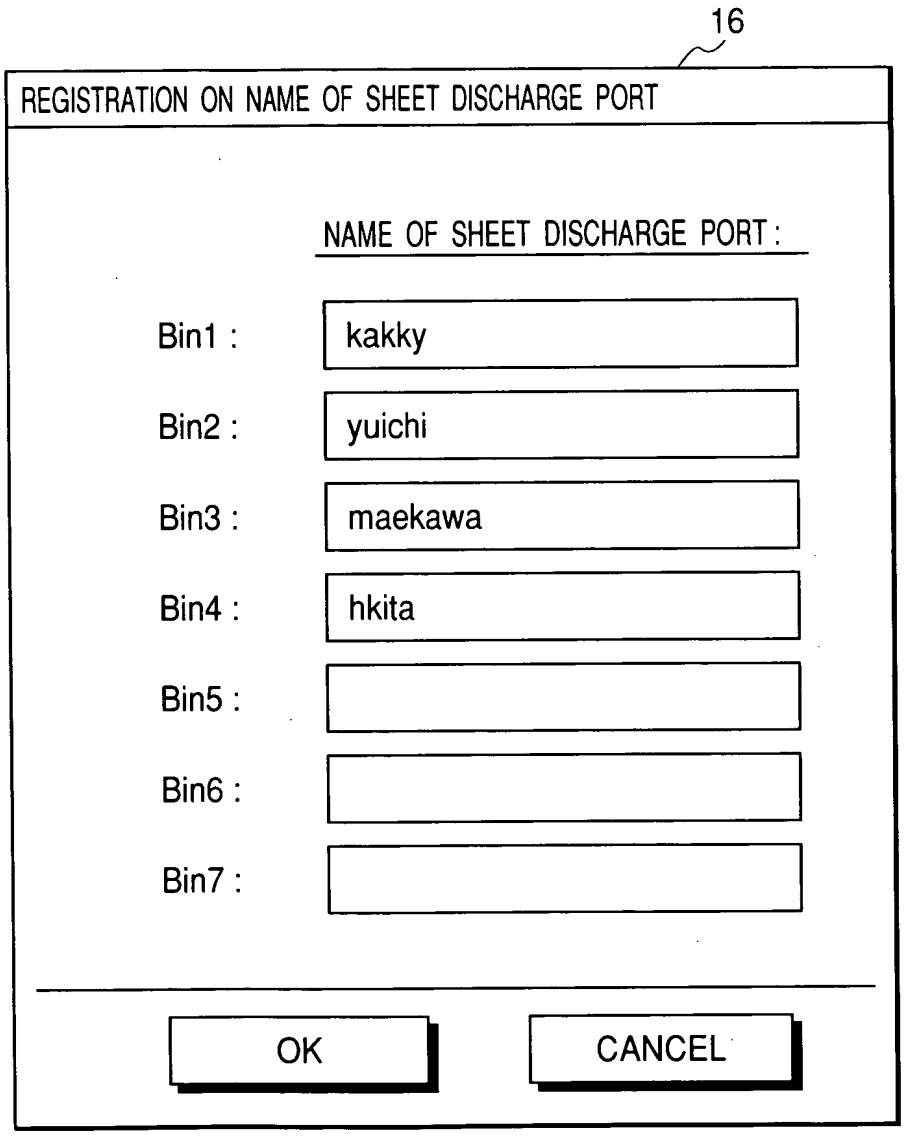
16
REGISTRATION ON NAME OF SHEET DISCHARGE PORT
NAME OF SHEET DISCHARGE PORT :
Bin1 :
kakky
Bin2 :
yuichi
Bin3 :
maekawa
Bin4 :
hkita
Bin5 :
Bin6 :
Bin7 :
OK
CANCEL

FIG. 6

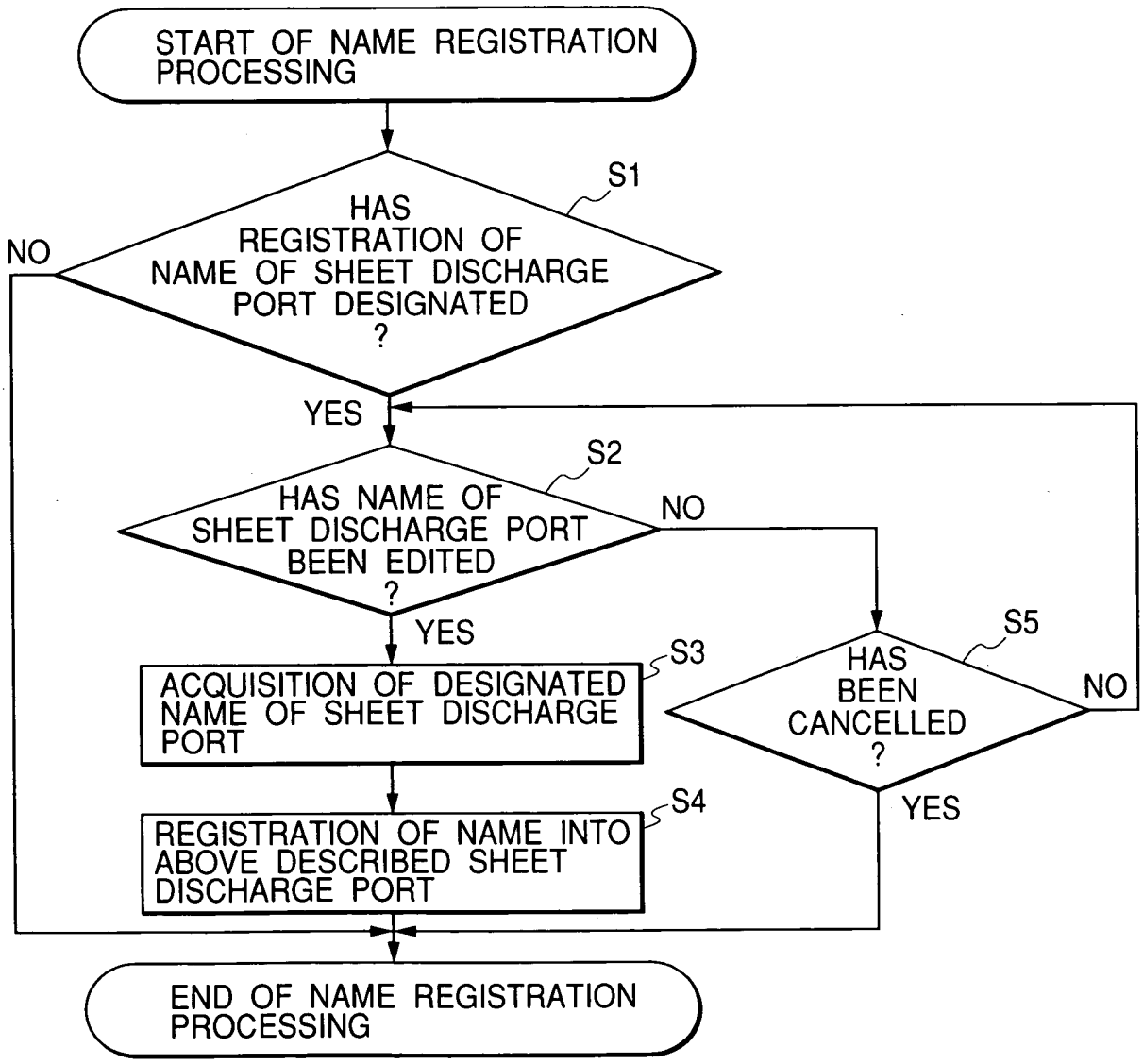
START OF NAME REGISTRATION PROCESSING
S1
HAS REGISTRATION OF NAME OF SHEET DISCHARGE PORT DESIGNATED ?
NO
YES
S2
HAS NAME OF SHEET DISCHARGE PORT BEEN EDITED ?
NO
YES
S3
ACQUISITION OF DESIGNATED NAME OF SHEET DISCHARGE PORT
S4
REGISTRATION OF NAME INTO ABOVE DESCRIBED SHEET DISCHARGE PORT
S5
HAS BEEN CANCELLED ?
NO
YES
END OF NAME REGISTRATION PROCESSING

FIG. 7

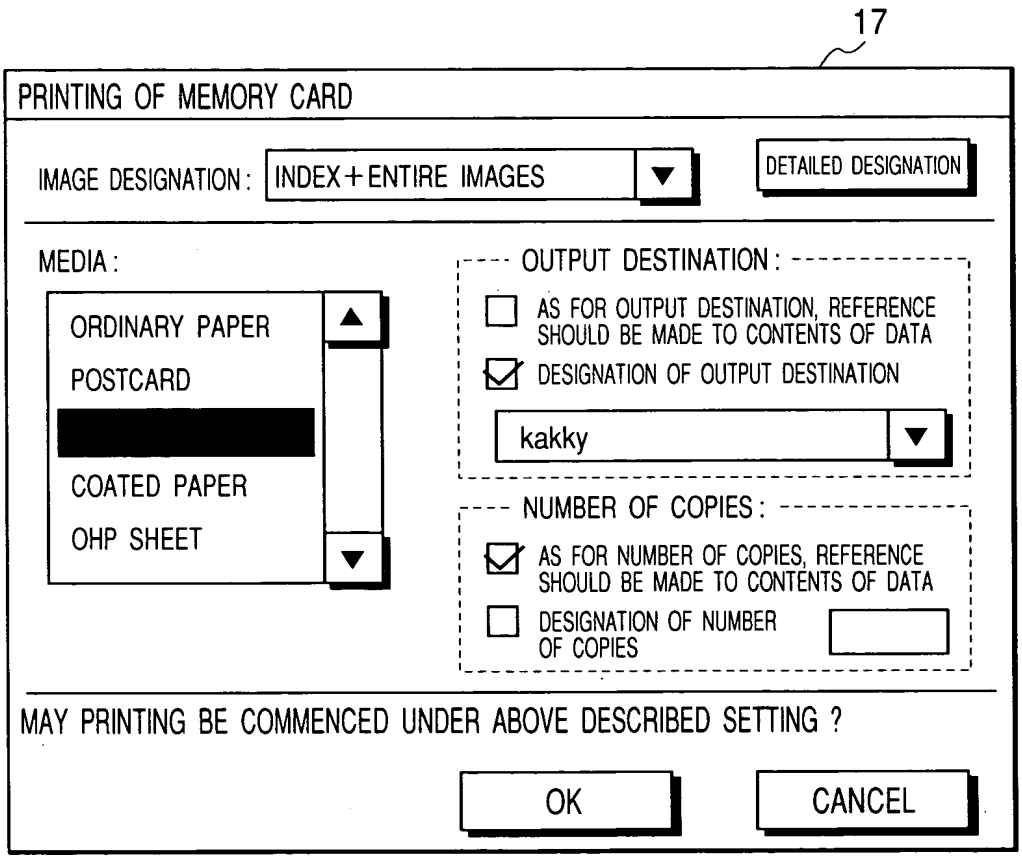
17
PRINTING OF MEMORY CARD
IMAGE DESIGNATION:
INDEX+ENTIRE IMAGES
DETAILED DESIGNATION
MEDIA:
ORDINARY PAPER
POSTCARD
COATED PAPER
OHP SHEET
OUTPUT DESTINATION:
AS FOR OUTPUT DESTINATION, REFERENCE SHOULD BE MADE TO CONTENTS OF DATA
DESIGNATION OF OUTPUT DESTINATION
kakky
NUMBER OF COPIES:
AS FOR NUMBER OF COPIES, REFERENCE SHOULD BE MADE TO CONTENTS OF DATA
DESIGNATION OF NUMBER OF COPIES
MAY PRINTING BE COMMENCED UNDER ABOVE DESCRIBED SETTING ?
OK
CANCEL

FIG. 8

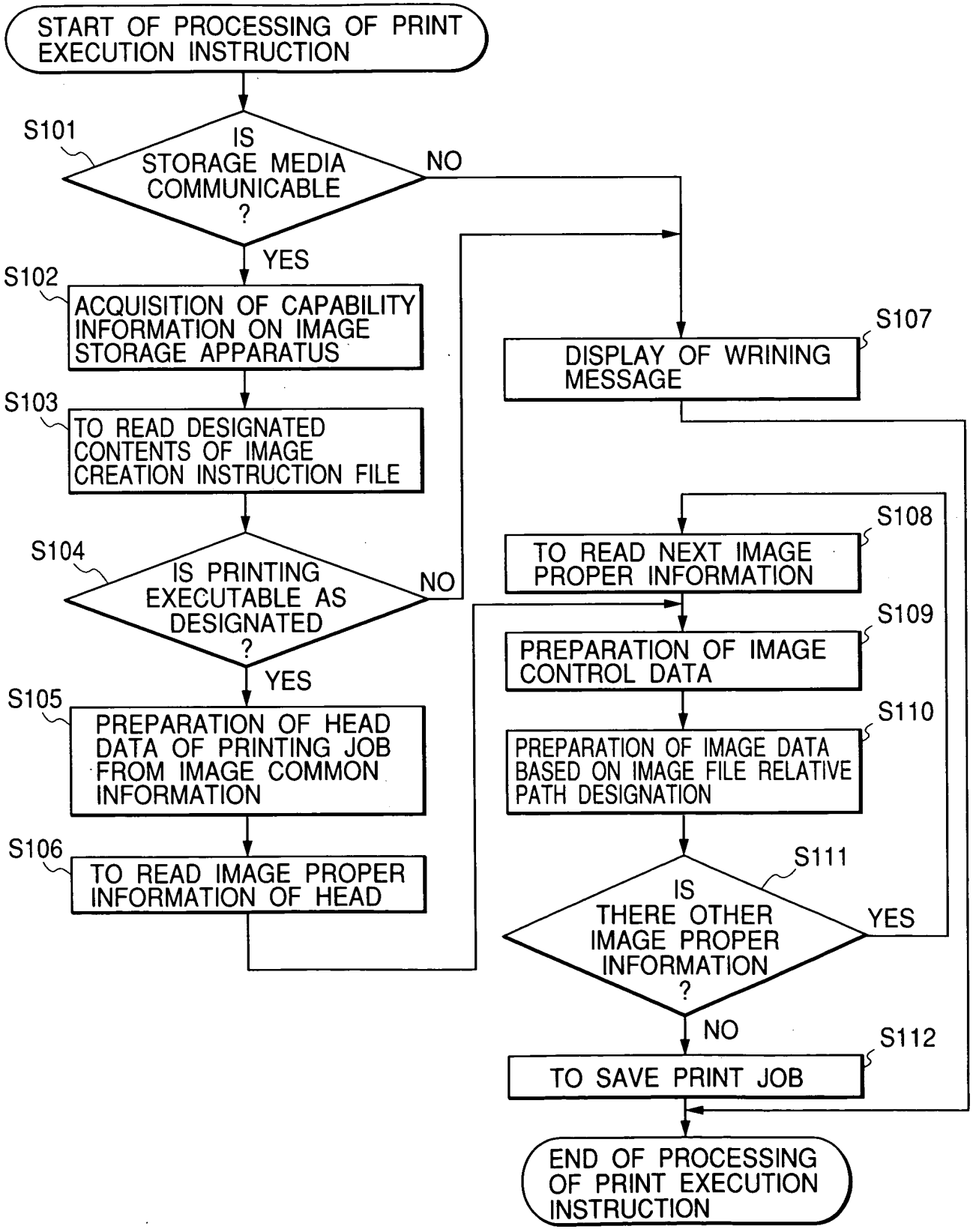
START OF PROCESSING OF PRINT EXECUTION INSTRUCTION
S101
IS STORAGE MEDIA COMMUNICABLE ?
NO
YES
S102
ACQUISITION OF CAPABILITY INFORMATION ON IMAGE STORAGE APPARATUS
S103
TO READ DESIGNATED CONTENTS OF IMAGE CREATION INSTRUCTION FILE
S104
IS PRINTING EXECUTABLE AS DESIGNATED ?
NO
YES
S105
PREPARATION OF HEAD DATA OF PRINTING JOB FROM IMAGE COMMON INFORMATION
S106
TO READ IMAGE PROPER INFORMATION OF HEAD
S107
DISPLAY OF WRINING MESSAGE
S108
TO READ NEXT IMAGE PROPER INFORMATION
S109
PREPARATION OF IMAGE CONTROL DATA
S110
PREPARATION OF IMAGE DATA BASED ON IMAGE FILE RELATIVE PATH DESIGNATION
S111
IS THERE OTHER IMAGE PROPER INFORMATION ?
YES
NO
S112
TO SAVE PRINT JOB
END OF PROCESSING OF PRINT EXECUTION INSTRUCTION

FIG. 9

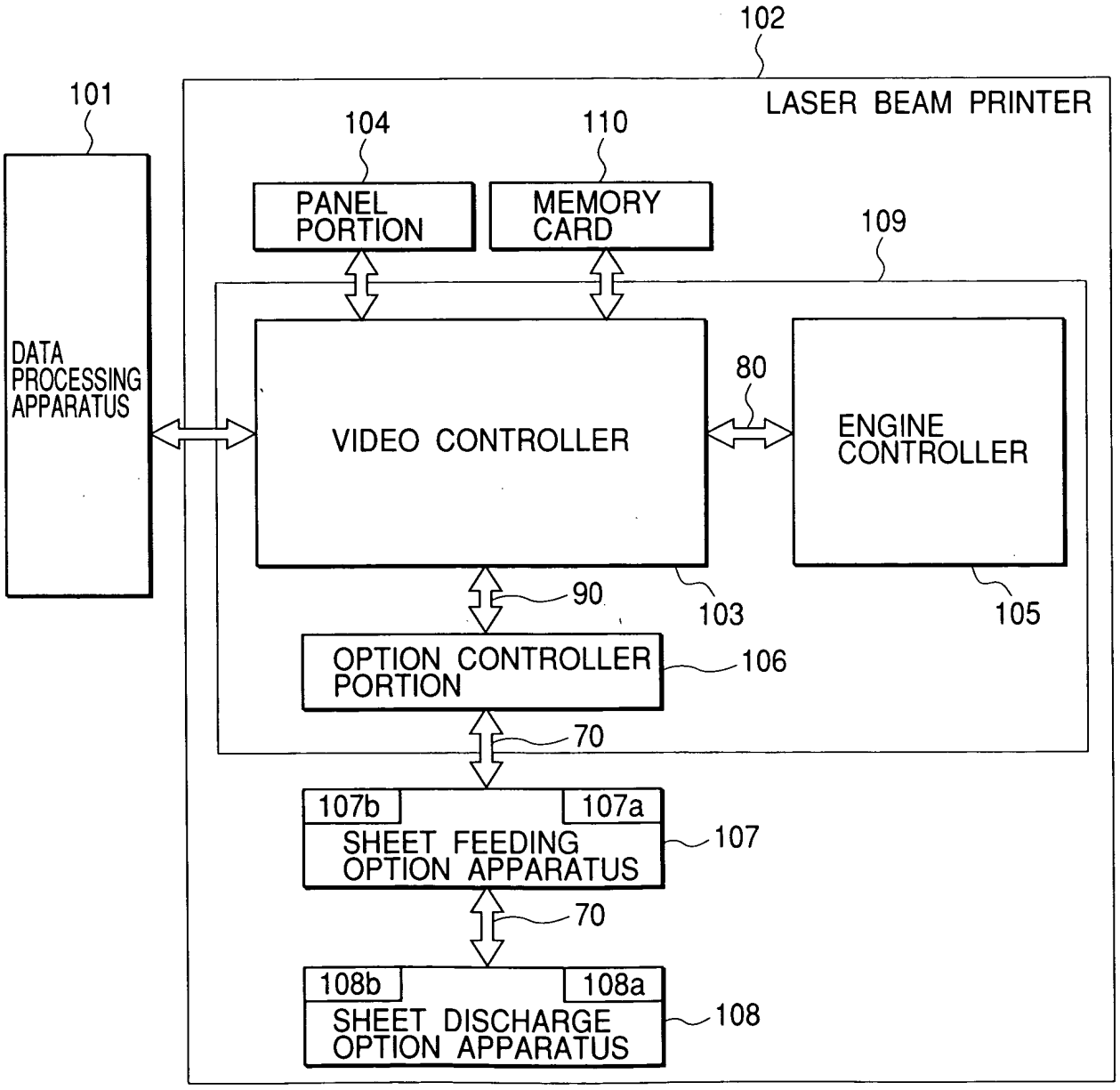
102
LASER BEAM PRINTER
101
DATA PROCESSING APPARATUS
104
PANEL PORTION
110
MEMORY CARD
109
VIDEO CONTROLLER
80
ENGINE CONTROLLER
90
103
105
OPTION CONTROLLER PORTION
106
70
107b
107a
SHEET FEEDING OPTION APPARATUS
107
70
108b
108a
SHEET DISCHARGE OPTION APPARATUS
108

FIG. 10

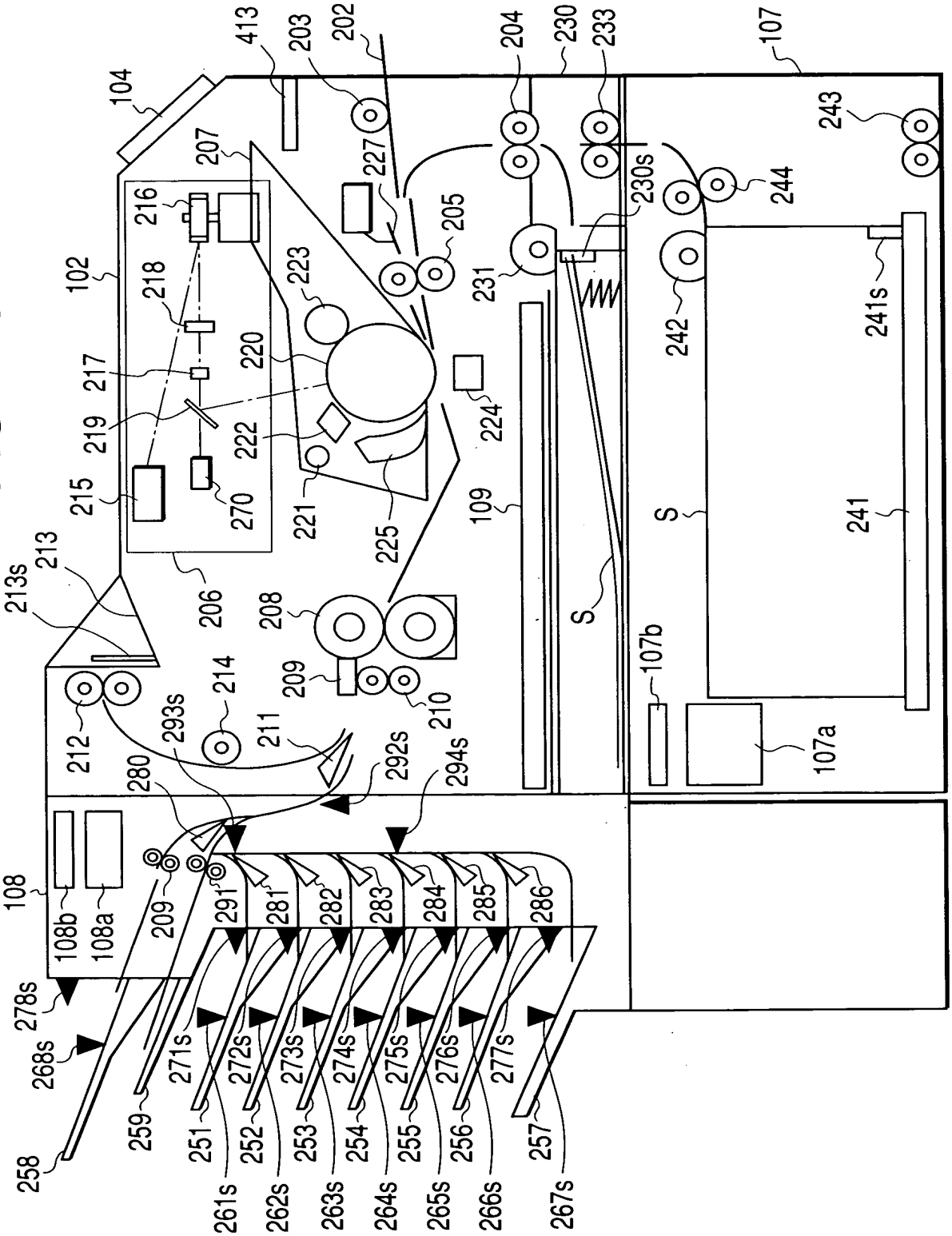
104
413
203
202
204
230
233
107
207
227
243
216
205
244
102
218
223
230s
231
220
217
242
241s
219
222
224
215
270
221
225
109
241
S
213
213s
206
208
214
209
210
212
293s
211
292s
294s
280
107b
107a
108
108b
108a
209
291
281
282
283
284
285
286
278s
268s
271s
272s
273s
274s
275s
276s
277s
258
259
251
252
253
254
255
256
257
261s
262s
263s
264s
265s
266s
267s

FIG. 11

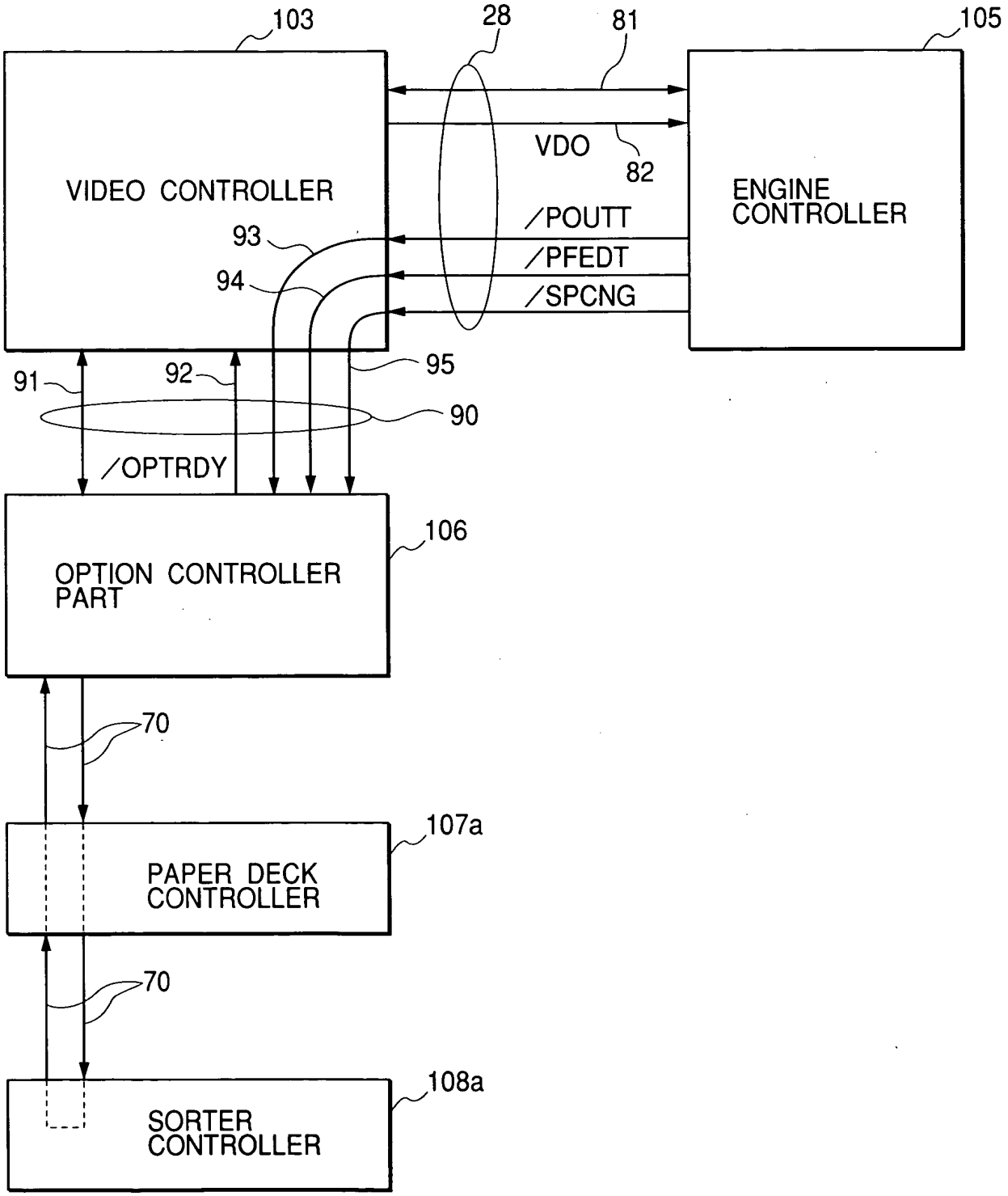
103
28
81
105
VIDEO CONTROLLER
VDO
82
ENGINE CONTROLLER
/POUTT
93
/PFEDT
94
/SPCNG
95
91
92
90
/OPTRDY
106
OPTION CONTROLLER PART
70
107a
PAPER DECK CONTROLLER
70
108a
SORTER CONTROLLER

FIG. 12

VC · · · VIDEO CONTROLLER
EC · · · ENGINE CONTROLLER

SIGNAL NAME	DIRECTION	CONTENTS
/CPRDY	VC → EC	SIGNAL INDICATING THAT VIDEO CONTROLLER 103 IS IN STATE THAT IT CAN COMMUNICATE WITH ENGINE CONTROLLER 105
/PPRDY	VC ← EC	SIGNAL INDICATING THAT ENGINE CONTROLLER 105 IS IN READY STATE THAT IT CAN COMMUNICATE WITH VIDEO CONTROLLER 103
/RDY	VC → EC	SIGNAL INDICATING THAT ENGINE CONTROLLER 105 IS IN READY STATE THAT IT CAN PRINT
/PRNT	VC → EC	SIGNAL FOR VIDEO CONTROLLER 103 TO ISSUE PRINTING REQUEST TO ENGINE CONTROLLER 105
/VSREQ	VC ← EC	SIGNAL FOR ENGINE CONTROLLER 105 TO REQUEST VERTICAL SYNCHRONIZATION SIGNAL TO VIDEO CONTROLLER 103
/VSYNC	VC → EC	VERTICAL SYNCHRONIZATION SIGNAL FOR VIDEO CONTROLLER 103 TO OUTPUT TO ENGINE CONTROLLER 105
/BD	VC ← EC	HORIZONTAL SYNCHRONIZATION SIGNAL FOR ENGINE CONTROLLER 105 TO OUTPUT TO VIDEO CONTROLLER 103
/CCRT	VC ← EC	SIGNAL TO REPORT TO VIDEO CONTROLLER 103 ON CHANGE OF CONDITIONS BY BEING "TRUE" IN CASE WHERE CONTENTS OF STATUS WHICH DO NOT DIRECTLY PARTICIPATE IN RDY SIGNAL HAVE CHANGED
/SCLK	VC → EC	SYNCHRONIZATION CLOCK SIGNAL FOR SERIAL COMMUNICATION
/CMD	VC → EC	COMMAND SIGNAL FOR VIDEO CONTROLLER 103 TO INSTRUCT ENGINE CONTROLLER 105
/CBSY	VC → EC	STROBE SIGNAL FOR COMMAND OUTPUT
/STS	VC ← EC	SIGNAL TO INDICATE STATUS INSIDE ENGINE TO OUTPUT FOR COMMAND FROM VIDEO CONTROLLER 103
/SBSY	VC ← EC	SIGNAL FOR STATUS OUTPUT

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FIG. 13

VC・・・VIDEO CONTROLLER
OC・・・OPTION CONTROLLER
EC・・・ENGINE CONTROLLER

SIGNAL NAME	DIRECTION	CONTENTS
SERIAL COMMUNICATION I/F 91	VC←→OC	I/F TO EXECUTE SHEET FEEDING DESIGNATION TO SHEET FEEDING OPTIONS, SHEET DISCHARGING DESIGNATION TO SHEET FEEDING OPTIONS AND COMMAND DESIGNATION VIA JOINT MEMORY
/OPTRDY 92	VC ← OC	READY STATE FOR FUNCTION THAT DESIGNATED OPTION APPARATUS HAS IS INDICATED
/POUTT 93	EC → OC	TIMING SIGNAL FOR PRINTER MAIN BODY TO DISCHARGE RECORDING SHEET
/PFEDT 94	EC → OC	TIMING SIGNAL FOR PRINTER MAIN BODY TO ACCEPT RECORDING SHEET FROM OPTION UNIT
/SPCNG 95	EC → OC	SIGNAL TO DEACCELERATE RECORDING SHEET WHICH HAS BEEN RAPIDLY CONVEYED INSIDE OPTION APPARATUS SO AS TO ADJUST SPEED IN CONFORMITY WITH CONVEYING SPEED OF PRINTER MAIN BODY

FIG. 14

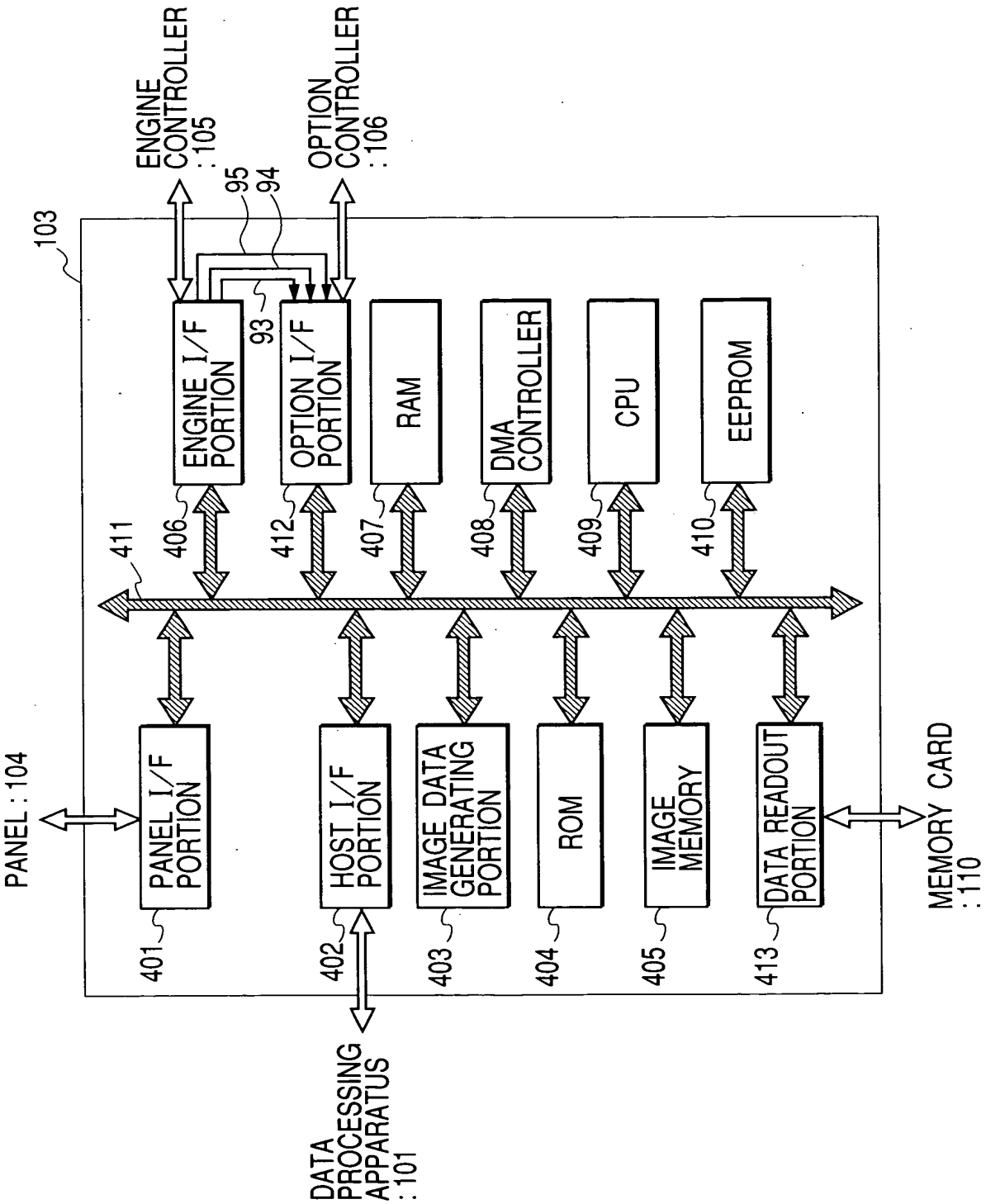

ENGINE CONTROLLER :105
OPTION CONTROLLER :106
95
94
93
103
ENGINE I/F PORTION
OPTION I/F PORTION
RAM
DMA CONTROLLER
CPU
EEPROM
411
406
412
407
408
409
410
PANEL : 104
PANEL I/F PORTION
HOST I/F PORTION
IMAGE DATA GENERATING PORTION
ROM
IMAGE MEMORY
DATA READOUT PORTION
MEMORY CARD :110
401
402
403
404
405
413
DATA PROCESSING APPARATUS :101

FIG. 15

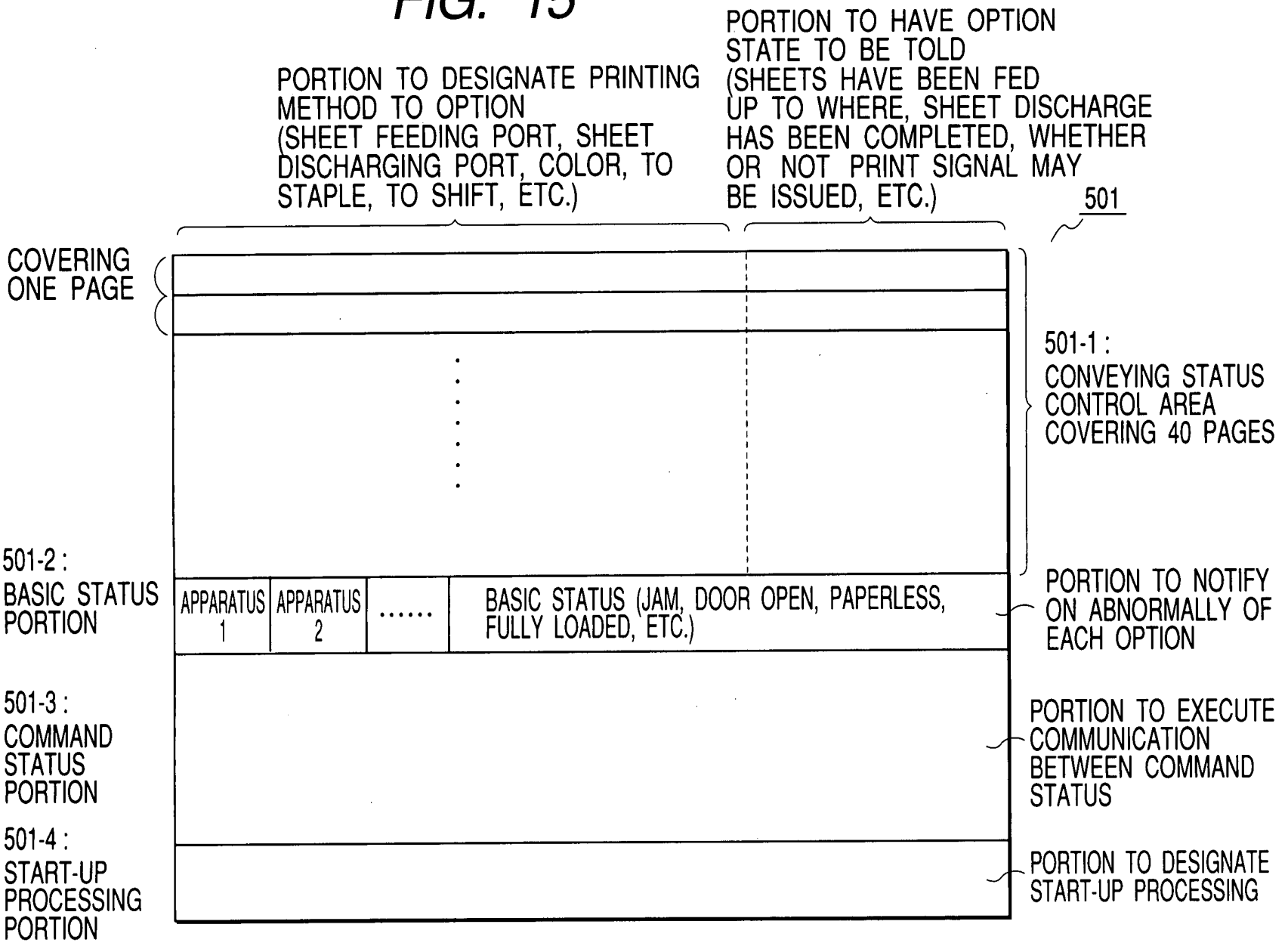

PORTION TO DESIGNATE PRINTING METHOD TO OPTION (SHEET FEEDING PORT, SHEET DISCHARGING PORT, COLOR, TO STAPLE, TO SHIFT, ETC.)
PORTION TO HAVE OPTION STATE TO BE TOLD (SHEETS HAVE BEEN FED UP TO WHERE, SHEET DISCHARGE HAS BEEN COMPLETED, WHETHER OR NOT PRINT SIGNAL MAY BE ISSUED, ETC.)
501
COVERING ONE PAGE
501-1 : CONVEYING STATUS CONTROL AREA COVERING 40 PAGES
501-2 : BASIC STATUS PORTION
APPARATUS 1
APPARATUS 2
.....
BASIC STATUS (JAM, DOOR OPEN, PAPERLESS, FULLY LOADED, ETC.)
PORTION TO NOTIFY ON ABNORMALLY OF EACH OPTION
501-3 : COMMAND STATUS PORTION
PORTION TO EXECUTE COMMUNICATION BETWEEN COMMAND STATUS
501-4 : START-UP PROCESSING PORTION
PORTION TO DESIGNATE START-UP PROCESSING

FIG. 16A

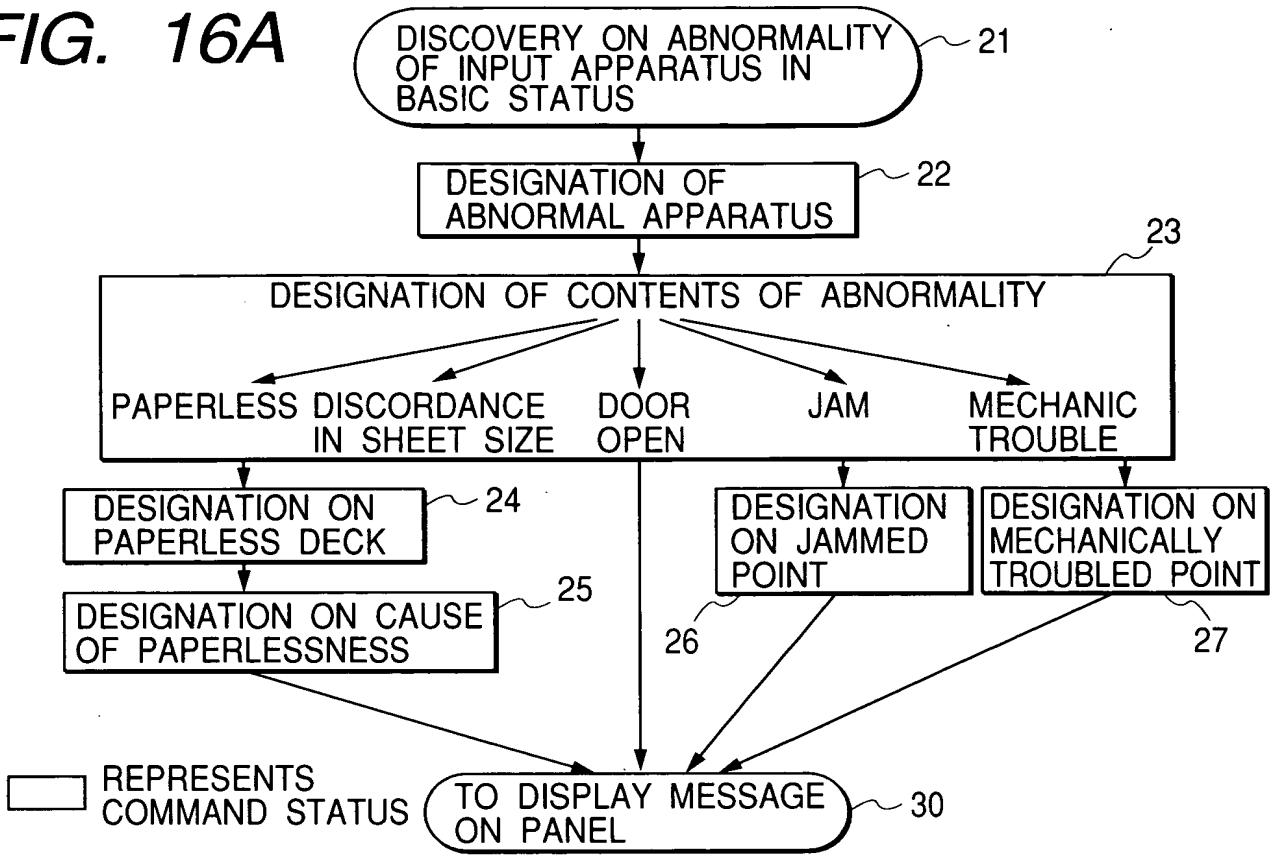


FIG. 16B

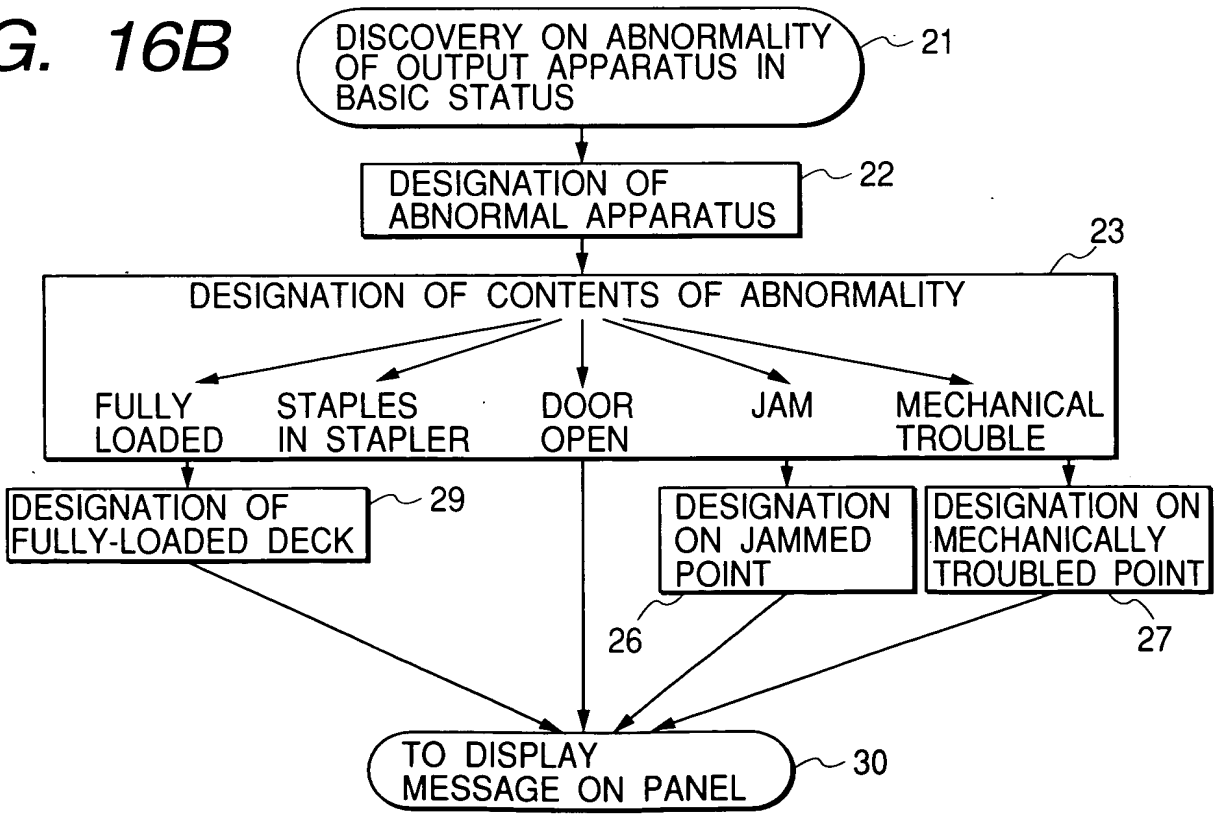


FIG. 17

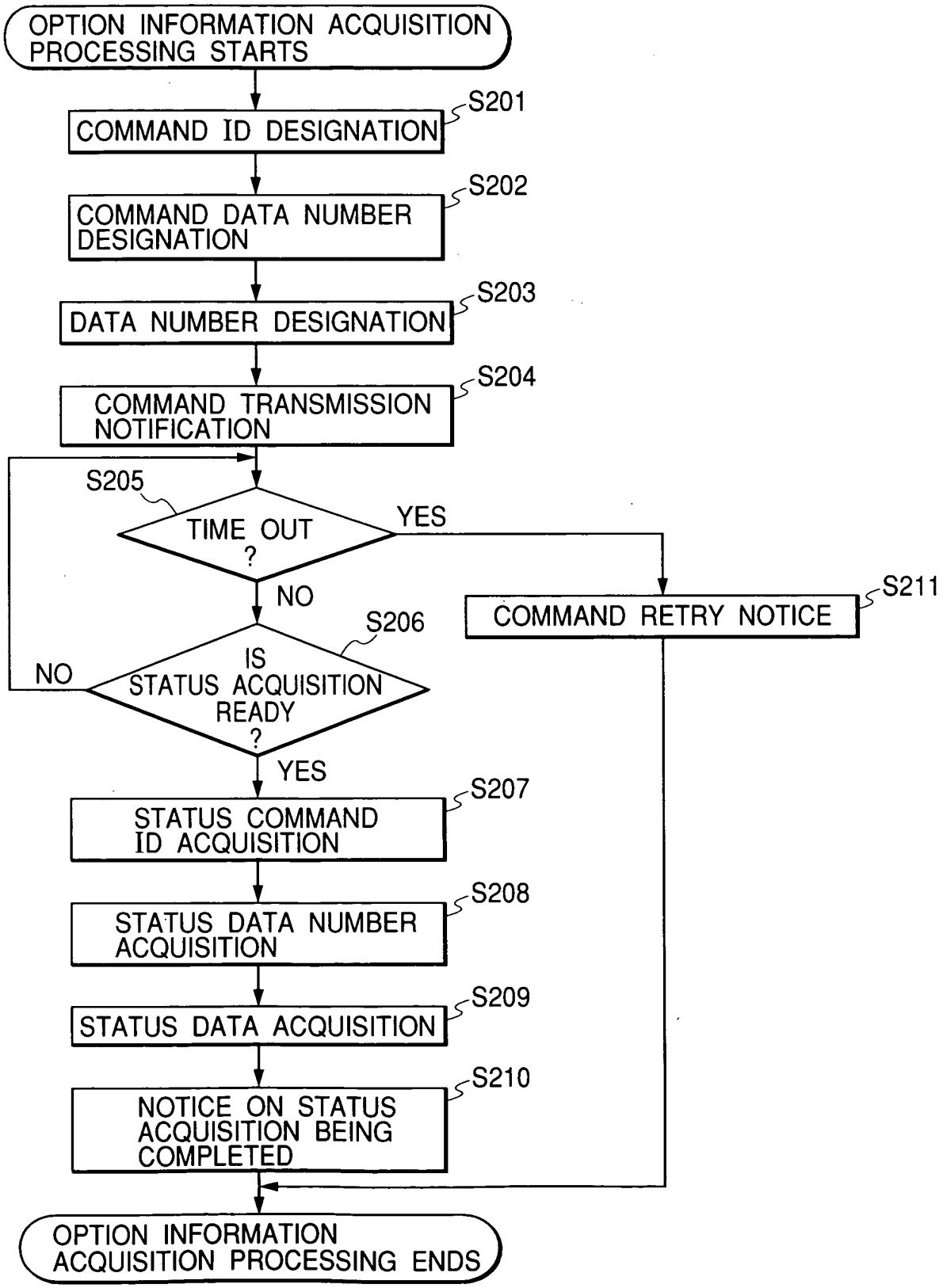

OPTION INFORMATION ACQUISITION PROCESSING STARTS
COMMAND ID DESIGNATION
S201
COMMAND DATA NUMBER DESIGNATION
S202
DATA NUMBER DESIGNATION
S203
COMMAND TRANSMISSION NOTIFICATION
S204
S205
TIME OUT ?
YES
NO
S206
IS STATUS ACQUISITION READY ?
NO
YES
COMMAND RETRY NOTICE
S211
STATUS COMMAND ID ACQUISITION
S207
STATUS DATA NUMBER ACQUISITION
S208
STATUS DATA ACQUISITION
S209
NOTICE ON STATUS ACQUISITION BEING COMPLETED
S210
OPTION INFORMATION ACQUISITION PROCESSING ENDS

FIG. 18

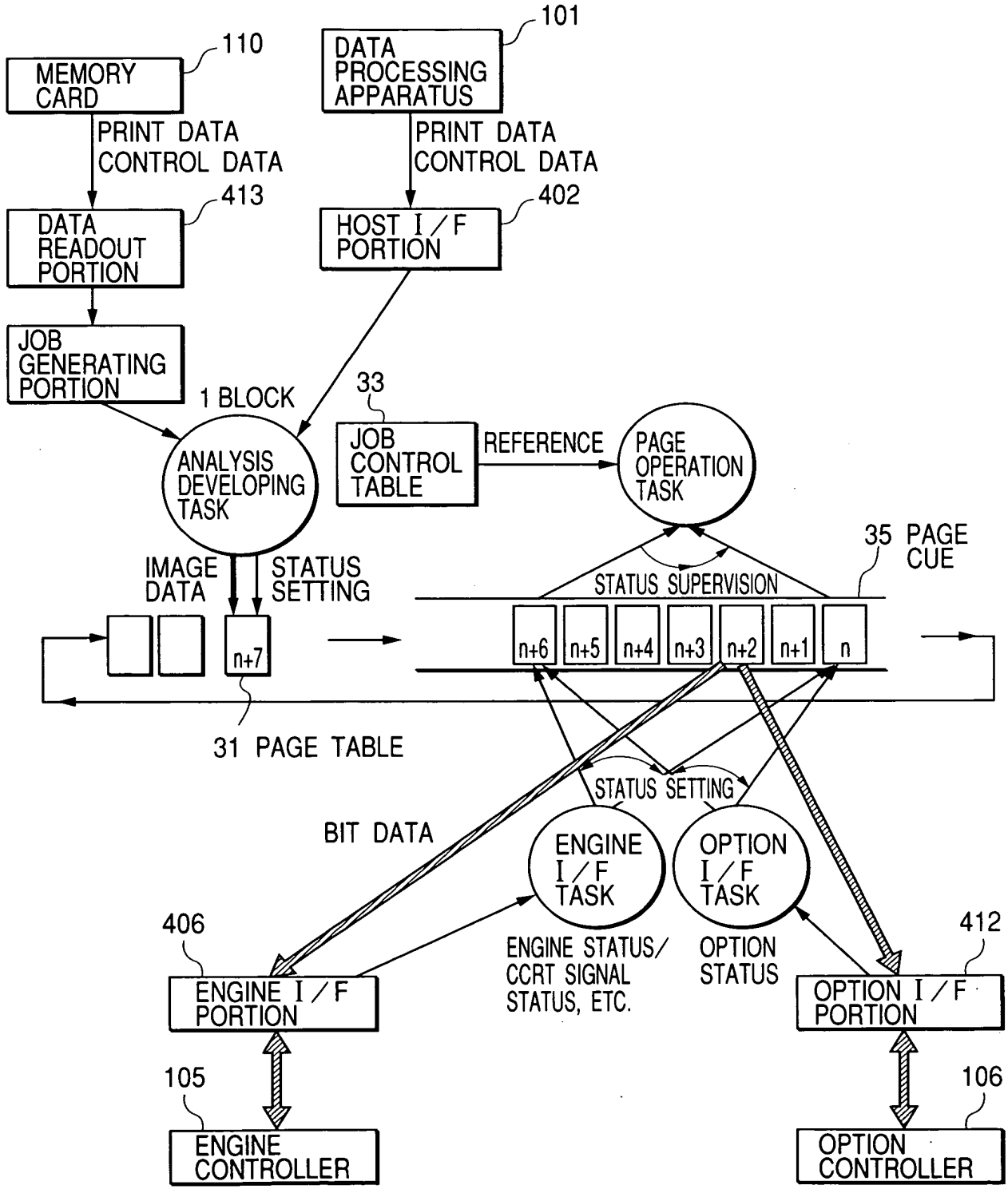

MEMORY CARD
110
DATA PROCESSING APPARATUS
101
PRINT DATA CONTROL DATA
PRINT DATA CONTROL DATA
DATA READOUT PORTION
413
HOST I/F PORTION
402
JOB GENERATING PORTION
1 BLOCK
33
ANALYSIS DEVELOPING TASK
JOB CONTROL TABLE
REFERENCE
PAGE OPERATION TASK
35 PAGE CUE
IMAGE DATA
STATUS SETTING
STATUS SUPERVISION
n+7
n+6
n+5
n+4
n+3
n+2
n+1
n
31 PAGE TABLE
STATUS SETTING
BIT DATA
ENGINE I/F TASK
OPTION I/F TASK
406
412
ENGINE STATUS/ CCRT SIGNAL STATUS, ETC.
OPTION STATUS
ENGINE I/F PORTION
OPTION I/F PORTION
105
106
ENGINE CONTROLLER
OPTION CONTROLLER

FIG. 19

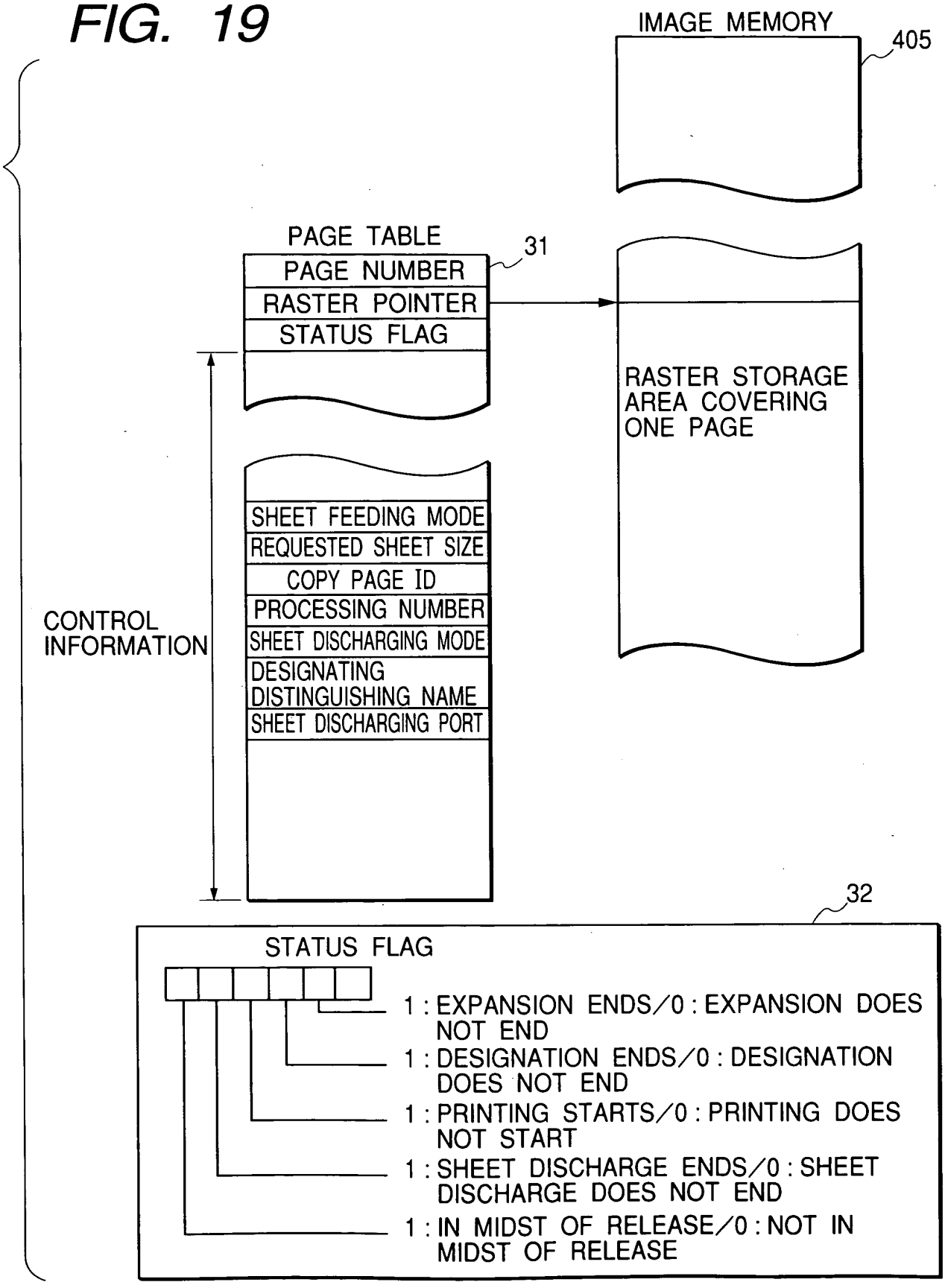


IMAGE MEMORY
405
PAGE TABLE
31
PAGE NUMBER
RASTER POINTER
STATUS FLAG
RASTER STORAGE AREA COVERING ONE PAGE
CONTROL INFORMATION
SHEET FEEDING MODE
REQUESTED SHEET SIZE
COPY PAGE ID
PROCESSING NUMBER
SHEET DISCHARGING MODE
DESIGNATING DISTINGUISHING NAME
SHEET DISCHARGING PORT
32
STATUS FLAG
1 : EXPANSION ENDS/0 : EXPANSION DOES NOT END
1 : DESIGNATION ENDS/0 : DESIGNATION DOES NOT END
1 : PRINTING STARTS/0 : PRINTING DOES NOT START
1 : SHEET DISCHARGE ENDS/0 : SHEET DISCHARGE DOES NOT END
1 : IN MIDST OF RELEASE/0 : NOT IN MIDST OF RELEASE

FIG. 20

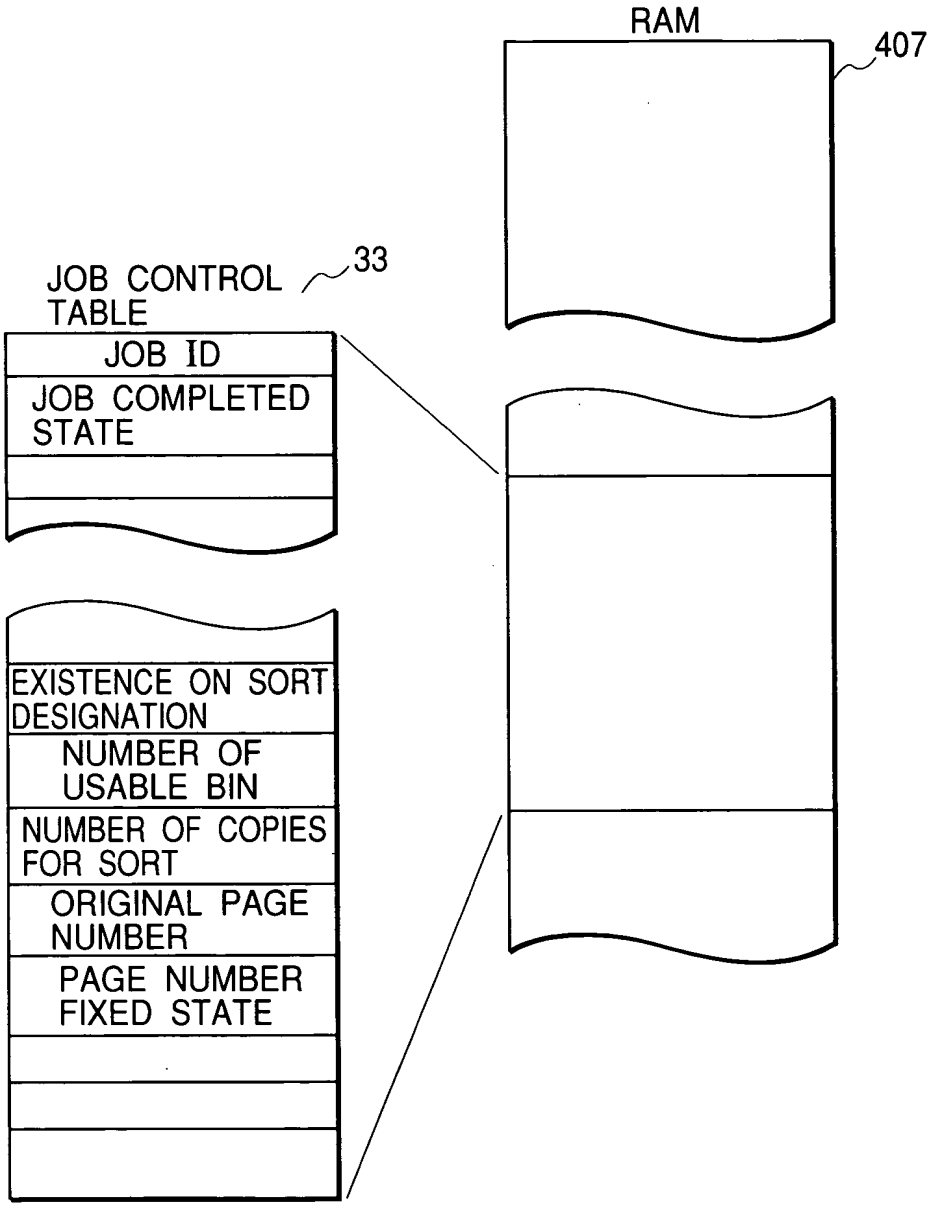

RAM
407
JOB CONTROL TABLE
33
JOB ID
JOB COMPLETED STATE
EXISTENCE ON SORT DESIGNATION
NUMBER OF USABLE BIN
NUMBER OF COPIES FOR SORT
ORIGINAL PAGE NUMBER
PAGE NUMBER FIXED STATE

FIG. 21

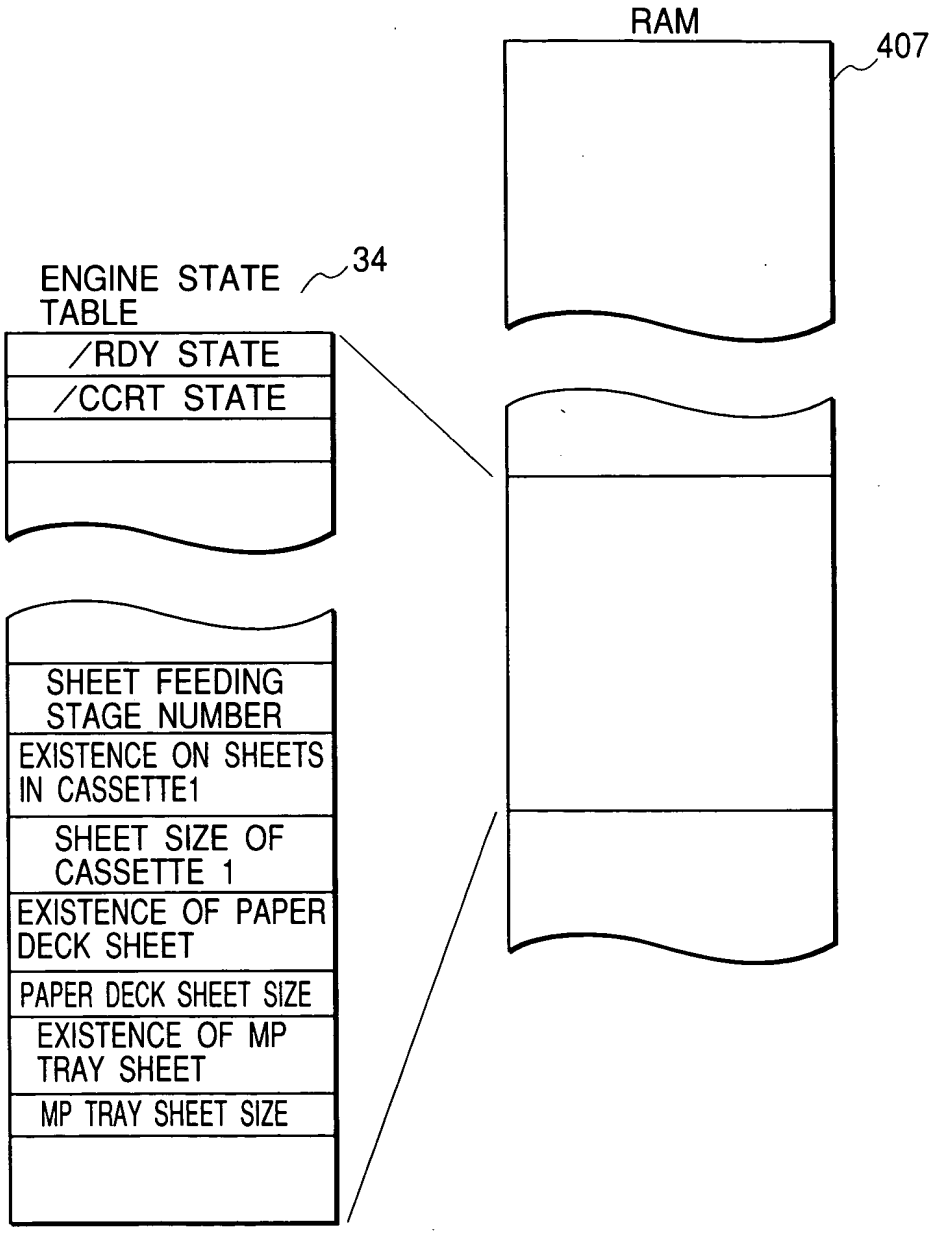

RAM
407
ENGINE STATE TABLE
34
/RDY STATE
/CCRT STATE
SHEET FEEDING STAGE NUMBER
EXISTENCE ON SHEETS IN CASSETTE1
SHEET SIZE OF CASSETTE 1
EXISTENCE OF PAPER DECK SHEET
PAPER DECK SHEET SIZE
EXISTENCE OF MP TRAY SHEET
MP TRAY SHEET SIZE

FIG. 22

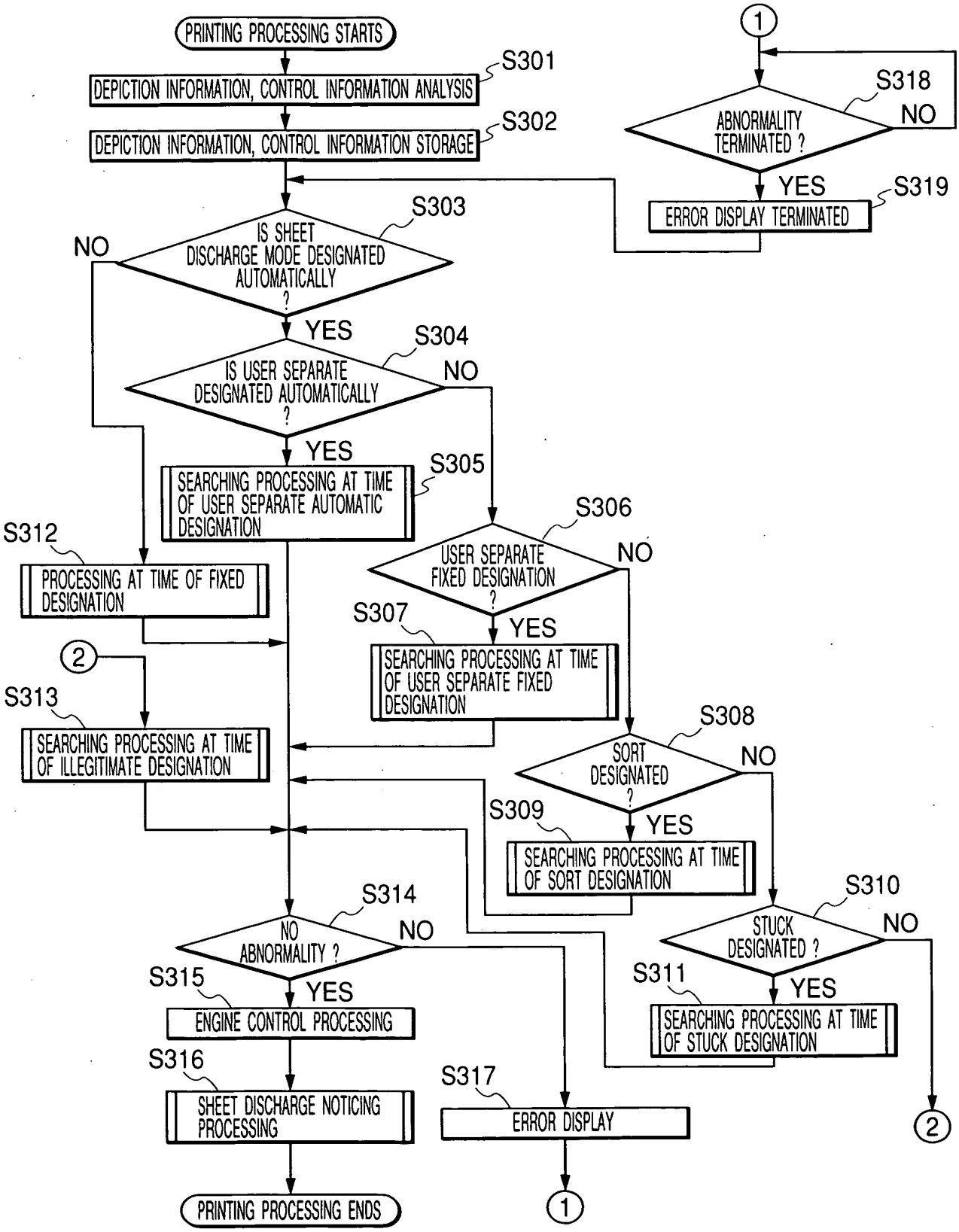

PRINTING PROCESSING STARTS
S301
DEPICTION INFORMATION, CONTROL INFORMATION ANALYSIS
S302
DEPICTION INFORMATION, CONTROL INFORMATION STORAGE
S303
IS SHEET DISCHARGE MODE DESIGNATED AUTOMATICALLY ?
NO
YES
S304
IS USER SEPARATE DESIGNATED AUTOMATICALLY ?
NO
YES
S305
SEARCHING PROCESSING AT TIME OF USER SEPARATE AUTOMATIC DESIGNATION
S306
USER SEPARATE FIXED DESIGNATION ?
NO
S307
YES
SEARCHING PROCESSING AT TIME OF USER SEPARATE FIXED DESIGNATION
S308
SORT DESIGNATED ?
NO
S309
YES
SEARCHING PROCESSING AT TIME OF SORT DESIGNATION
S310
STUCK DESIGNATED ?
NO
S311
YES
SEARCHING PROCESSING AT TIME OF STUCK DESIGNATION
S312
PROCESSING AT TIME OF FIXED DESIGNATION
S313
SEARCHING PROCESSING AT TIME OF ILLEGITIMATE DESIGNATION
S314
NO ABNORMALITY ?
NO
S315
YES
ENGINE CONTROL PROCESSING
S316
SHEET DISCHARGE NOTICING PROCESSING
PRINTING PROCESSING ENDS
S317
ERROR DISPLAY
1
S318
ABNORMALITY TERMINATED ?
NO
YES
S319
ERROR DISPLAY TERMINATED
1
2
2

FIG. 23

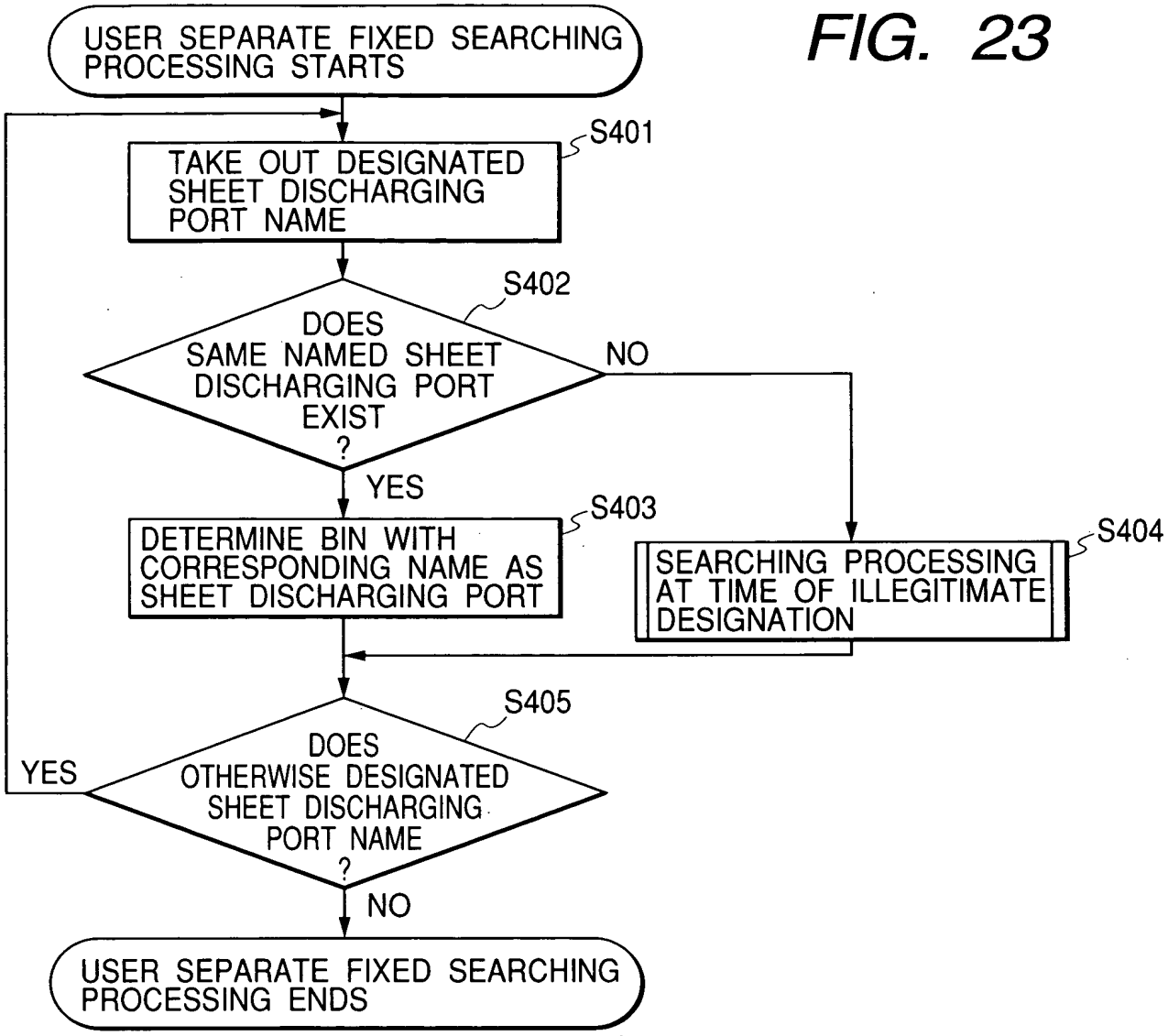

USER SEPARATE FIXED SEARCHING PROCESSING STARTS
S401
TAKE OUT DESIGNATED SHEET DISCHARGING PORT NAME
S402
DOES SAME NAMED SHEET DISCHARGING PORT EXIST ?
NO
YES
S403
DETERMINE BIN WITH CORRESPONDING NAME AS SHEET DISCHARGING PORT
S404
SEARCHING PROCESSING AT TIME OF ILLEGITIMATE DESIGNATION
S405
DOES OTHERWISE DESIGNATED SHEET DISCHARGING PORT NAME ?
YES
NO
USER SEPARATE FIXED SEARCHING PROCESSING ENDS

FIG. 24

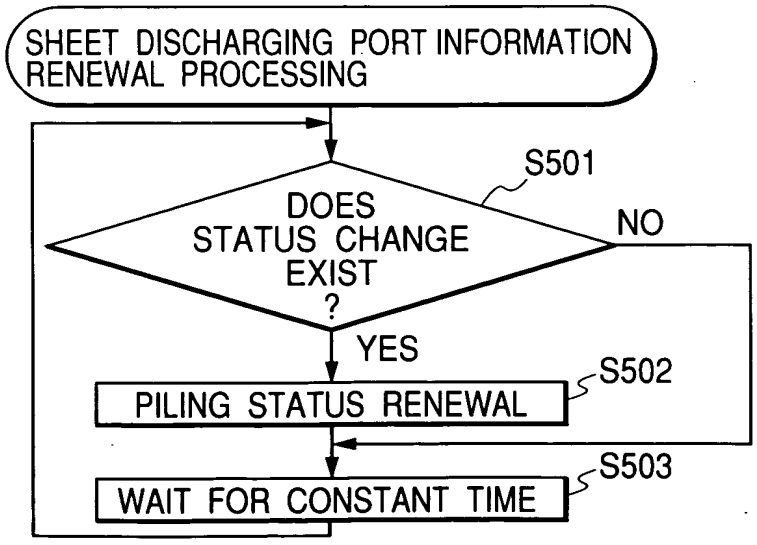

SHEET DISCHARGING PORT INFORMATION RENEWAL PROCESSING
S501
DOES STATUS CHANGE EXIST ?
NO
YES
S502
PILING STATUS RENEWAL
S503
WAIT FOR CONSTANT TIME

FIG. 25

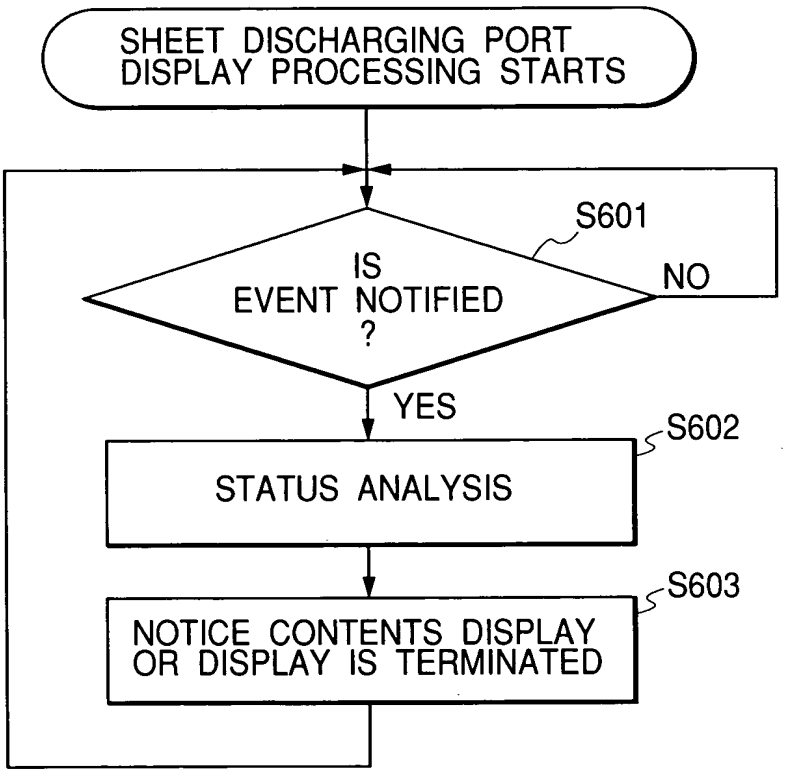

SHEET DISCHARGING PORT DISPLAY PROCESSING STARTS
S601
IS EVENT NOTIFIED ?
NO
YES
S602
STATUS ANALYSIS
S603
NOTICE CONTENTS DISPLAY OR DISPLAY IS TERMINATED

FIG. 26

SHEET DISCHARGING CIRCUMSTANCES

SHEET DISCHARGING PORT	SHEET DISCHARGING PORT NAME	PILING QUANTITY
Bin1 :	kakky	20%
Bin2 :	yuichi	10%
Bin3 :	maekawa	30%
Bin4 :	hkita	20%
Bin5 :		0%
Bin6 :		0%
Bin7 :		0%

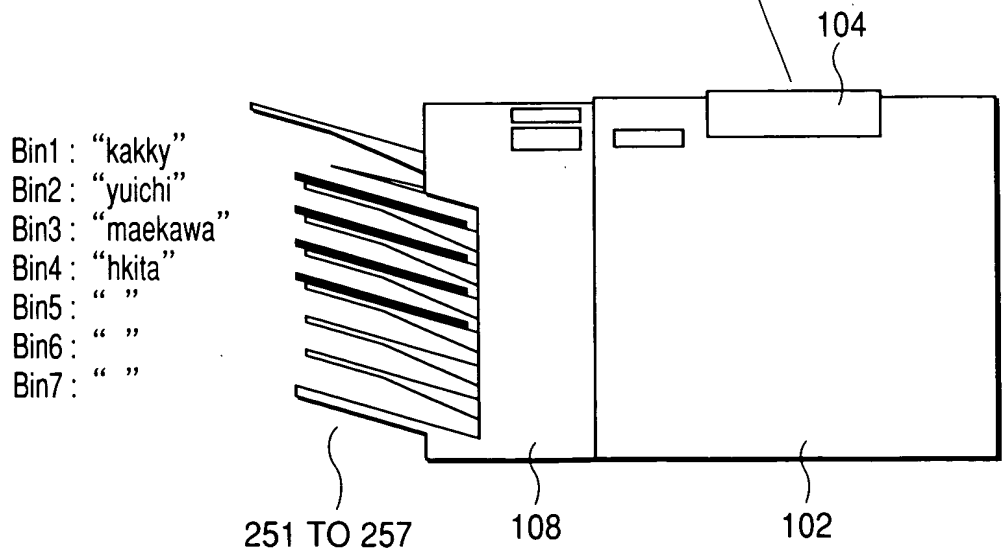


FIG. 27

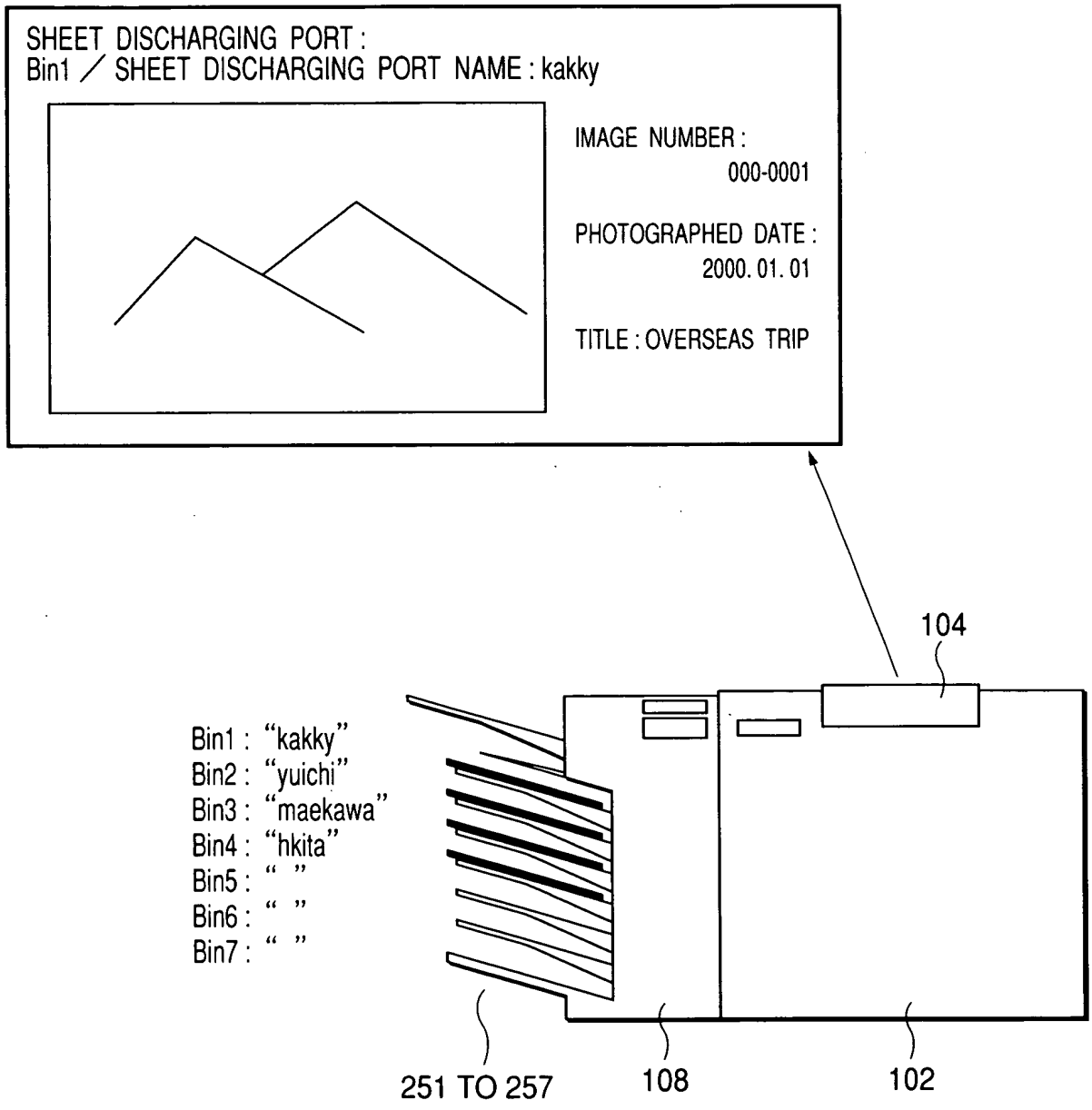
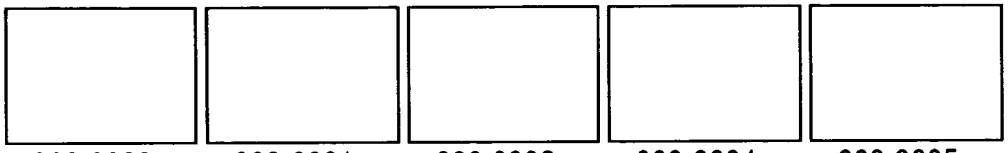

SHEET DISCHARGING PORT :
Bin1 / SHEET DISCHARGING PORT NAME : kakky
IMAGE NUMBER :
000-0001
PHOTOGRAPHED DATE :
2000. 01. 01
TITLE : OVERSEAS TRIP
Bin1 : "kakky"
Bin2 : "yuichi"
Bin3 : "maekawa"
Bin4 : "hkita"
Bin5 : " "
Bin6 : " "
Bin7 : " "
104
251 TO 257
108
102

FIG. 28

36

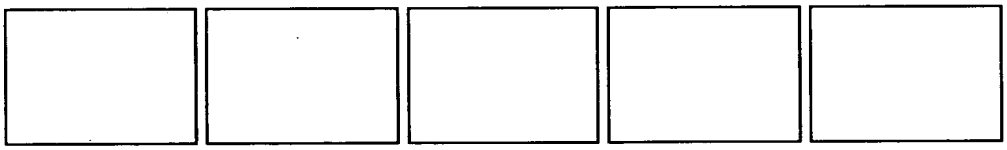
☆☆☆ INDEX PRINT ☆☆☆

USER INFORMATION = SHIMOMARUKO TORO (TEL : 03-3757-????)
PRINT DATE AND TIME = 2000/05/05 15 : 51
NUMBER OF PRINTS = 41 COPIES



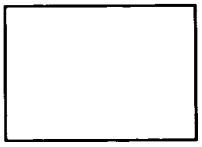
000-0000 2 COPIES | 000-0001 1 COPY | 000-0002 4 COPIES | 000-0004 2 COPIES | 000-0005 2 COPIES

000-0006 1 COPY | 000-0008 2 COPIES | 000-0009 1 COPY | 000-0010 1 COPY | 000-0011 2 COPIES



000-0014 2 COPIES | 001-0001 2 COPIES | 001-0003 5 COPIES | 001-0005 3 COPIES | 001-0006 1 COPY

001-0010 2 COPIES | 001-0012 1 COPY | 001-0013 1 COPY | 001-0014 1 COPY | 002-0015 2 COPIES



002-0016 3 COPIES

FIG. 29

37

☆☆☆ENTIRE SHEET DISCHARGING ORT PILING JOB INFORMATION☆☆☆

SHEET DISCHARGING MODE = USER SEPARATE FIXING
TOTAL NUMBER OF COPIES OF SHEET DISCHARGING = 165 COPIES
OUTPUT DATE AND TIME = 2000/05/05 15 : 51

<Bin1>
SHEET DISCHARGING PORT NAME = kakky
NUMBER OF COPIES OF SHEET DISCHARGING = 41 COPIES

<Bin2>
SHEET DISCHARGING PORT NAME = yuichi
NUMBER OF COPIES OF SHEET DISCHARGING = 20 COPIES

<Bin3>
SHEET DISCHARGING PORT NAME = maekawa
NUMBER OF COPIES OF SHEET DISCHARGING = 64 COPIES

<Bin4>
SHEET DISCHARGING PORT NAME = hkita
NUMBER OF COPIES OF SHEET DISCHARGING = 40 COPIES

<Bin5>
SHEET DISCHARGING PORT NAME =
NUMBER OF COPIES OF SHEET DISCHARGING = 0 COPY

<Bin6>
SHEET DISCHARGING PORT NAME =
NUMBER OF COPIES OF SHEET DISCHARGING = 0 COPY

<Bin7>
SHEET DISCHARGING PORT NAME =
NUMBER OF COPIES OF SHEET DISCHARGING = 0 COPY

FIG. 30

38

☆☆☆ SHEET DISCHARGING PORT PILING JOB INFORMATION ☆☆☆

SHEET DISCHARGING PORT = Bin1
SHEET DISCHARGING PORT NAME = kakky
SHEET DISCHARGING MODE = USER SEPARATE FIXING
NUMBER OF PILING COPIES = 41 COPIES
OUTPUT DATE AND TIME = 2000/05/05 15 : 51

IMAGE NUMBER	PHOTOGRAPHED DATE	TITLE	NUMBER OF COPIES
000-0000	1999.12.31	OVERSEAS TRIP	2
000-0001	2000.01.01	OVERSEAS TRIP	1
000-0002	2000.01.01	OVERSEAS TRIP	4
000-0004	2000.01.01	OVERSEAS TRIP	2
000-0005	2000.01.01	OVERSEAS TRIP	2
000-0006	2000.01.01	OVERSEAS TRIP	1
000-0008	2000.01.01	OVERSEAS TRIP	2
000-0009	2000.01.01	OVERSEAS TRIP	1
000-0010	2000.01.01	OVERSEAS TRIP	1
000-0011	2000.02.02	Untitled	2
000-0014	2000.02.02	Untitled	2
001-0001	2000.04.22	WEDDING CEREMONY	2
001-0003	2000.04.22	CONTINUATION OF PARTY AT ANOTHER PLACE	5
001-0005	2000.04.22	CONTINUATION OF PARTY AT ANOTHER PLACE	3
001-0006	2000.04.22	CONTINUATION OF PARTY AT ANOTHER PLACE	1
001-0010	2000.04.22	CONTINUATION OF PARTY AT ANOTHER PLACE	2
001-0012	2000.04.22	CONTINUATION OF PARTY AT ANOTHER PLACE	1
001-0013	2000.04.22	CONTINUATION OF PARTY AT ANOTHER PLACE	1
001-0014	2000.04.22	CONTINUATION OF PARTY AT ANOTHER PLACE	1
002-0015	2000.04.22	CONTINUATION OF PARTY AT ANOTHER PLACE	2
002-0016	2000.04.22	CONTINUATION OF PARTY AT ANOTHER PLACE	3

FIG. 31

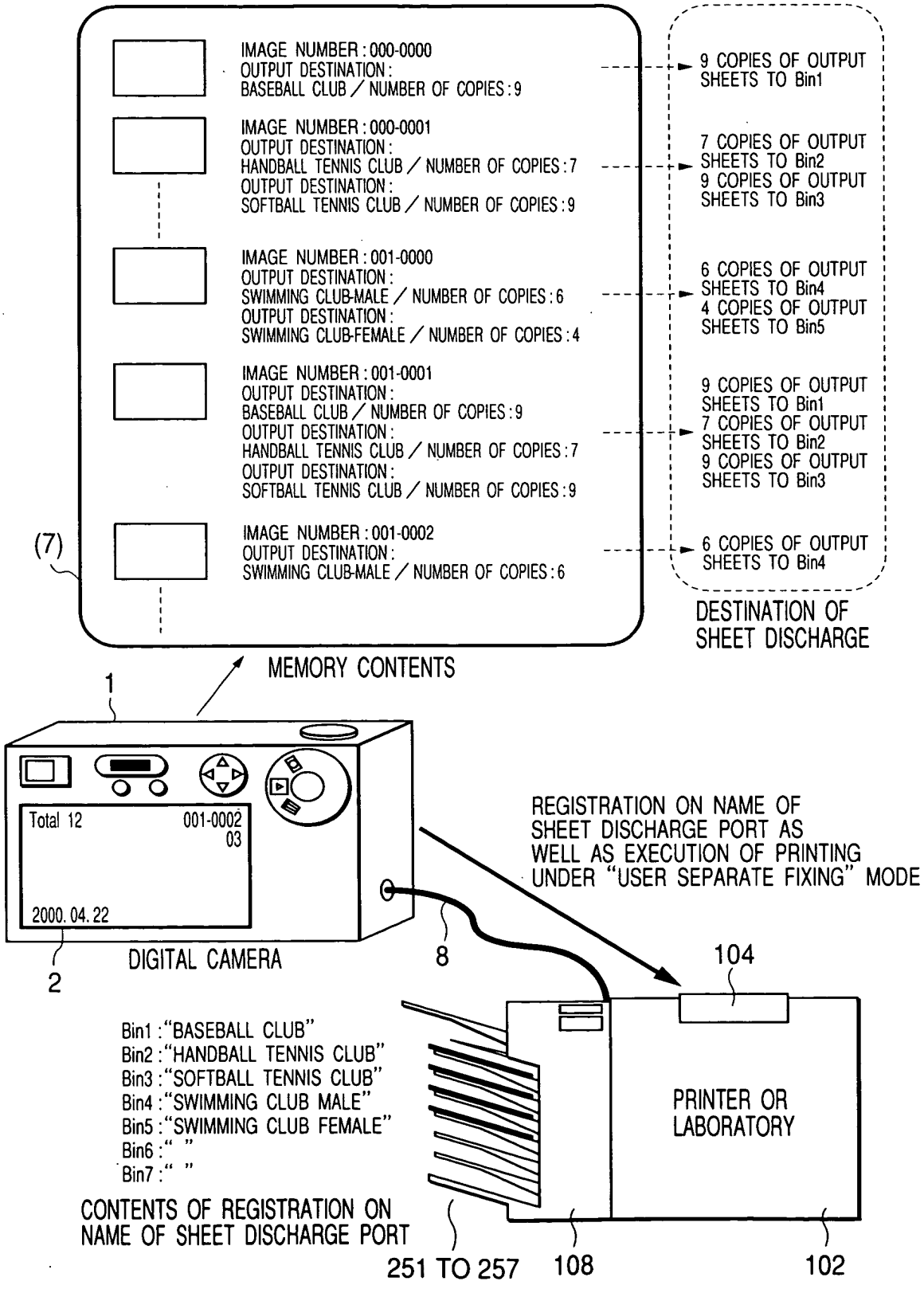


IMAGE NUMBER : 000-0000
OUTPUT DESTINATION :
BASEBALL CLUB / NUMBER OF COPIES : 9
9 COPIES OF OUTPUT SHEETS TO Bin1
IMAGE NUMBER : 000-0001
OUTPUT DESTINATION :
HANDBALL TENNIS CLUB / NUMBER OF COPIES : 7
OUTPUT DESTINATION :
SOFTBALL TENNIS CLUB / NUMBER OF COPIES : 9
7 COPIES OF OUTPUT SHEETS TO Bin2
9 COPIES OF OUTPUT SHEETS TO Bin3
IMAGE NUMBER : 001-0000
OUTPUT DESTINATION :
SWIMMING CLUB-MALE / NUMBER OF COPIES : 6
OUTPUT DESTINATION :
SWIMMING CLUB-FEMALE / NUMBER OF COPIES : 4
6 COPIES OF OUTPUT SHEETS TO Bin4
4 COPIES OF OUTPUT SHEETS TO Bin5
IMAGE NUMBER : 001-0001
OUTPUT DESTINATION :
BASEBALL CLUB / NUMBER OF COPIES : 9
OUTPUT DESTINATION :
HANDBALL TENNIS CLUB / NUMBER OF COPIES : 7
OUTPUT DESTINATION :
SOFTBALL TENNIS CLUB / NUMBER OF COPIES : 9
9 COPIES OF OUTPUT SHEETS TO Bin1
7 COPIES OF OUTPUT SHEETS TO Bin2
9 COPIES OF OUTPUT SHEETS TO Bin3
IMAGE NUMBER : 001-0002
OUTPUT DESTINATION :
SWIMMING CLUB-MALE / NUMBER OF COPIES : 6
6 COPIES OF OUTPUT SHEETS TO Bin4
(7)
DESTINATION OF SHEET DISCHARGE
MEMORY CONTENTS
1
Total 12
001-0002
03
2000. 04. 22
DIGITAL CAMERA
2
8
REGISTRATION ON NAME OF SHEET DISCHARGE PORT AS WELL AS EXECUTION OF PRINTING UNDER "USER SEPARATE FIXING" MODE
104
Bin1 : "BASEBALL CLUB"
Bin2 : "HANDBALL TENNIS CLUB"
Bin3 : "SOFTBALL TENNIS CLUB"
Bin4 : "SWIMMING CLUB MALE"
Bin5 : "SWIMMING CLUB FEMALE"
Bin6 : " "
Bin7 : " "
CONTENTS OF REGISTRATION ON NAME OF SHEET DISCHARGE PORT
PRINTER OR LABORATORY
251 TO 257
108
102

FIG. 32A

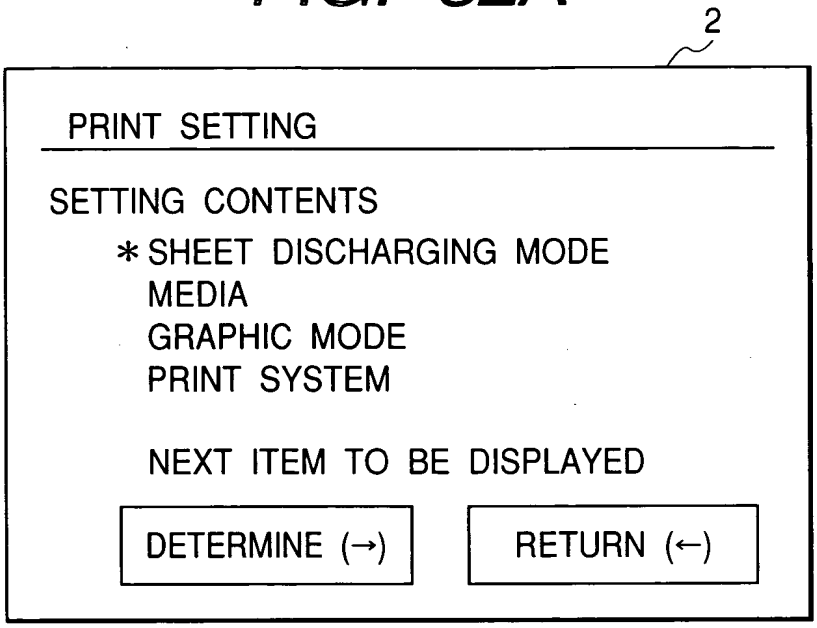


FIG. 32B

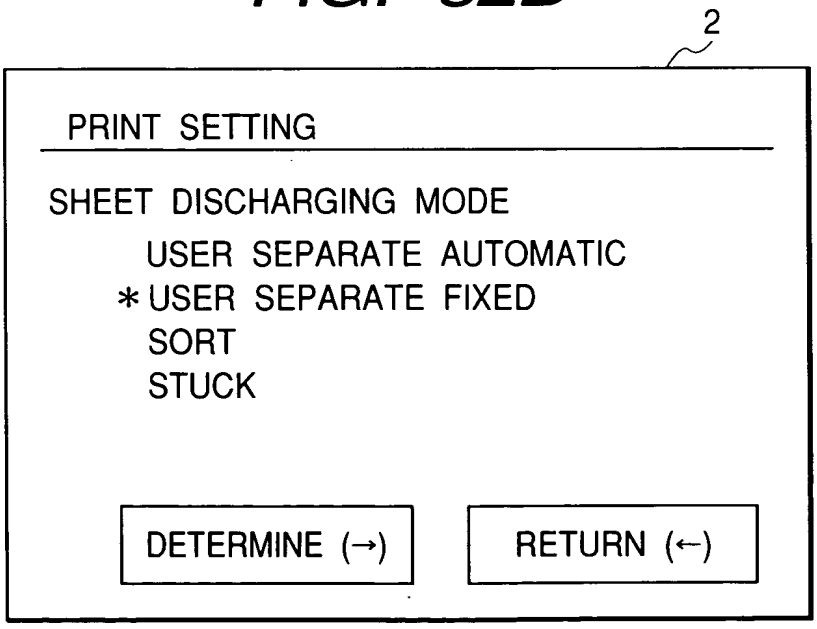


FIG. 33A

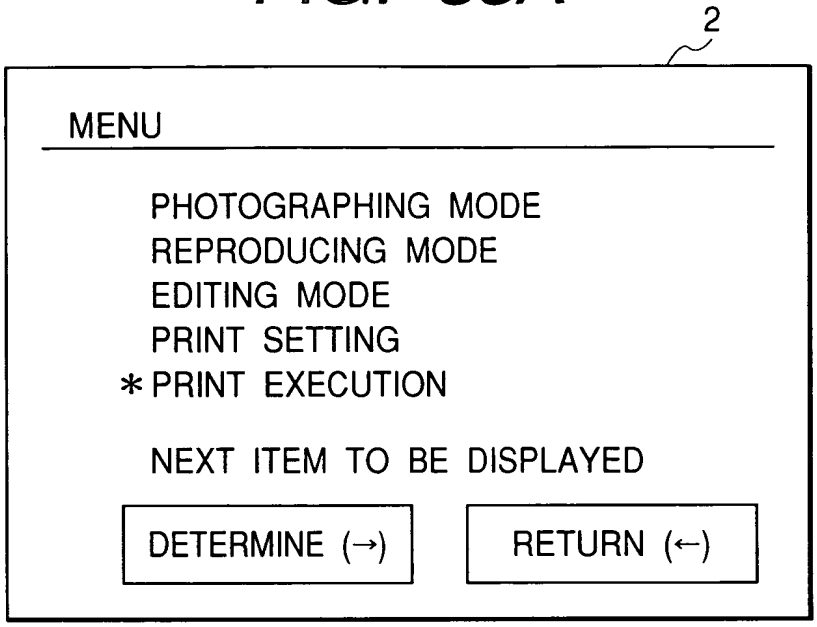


FIG. 33B

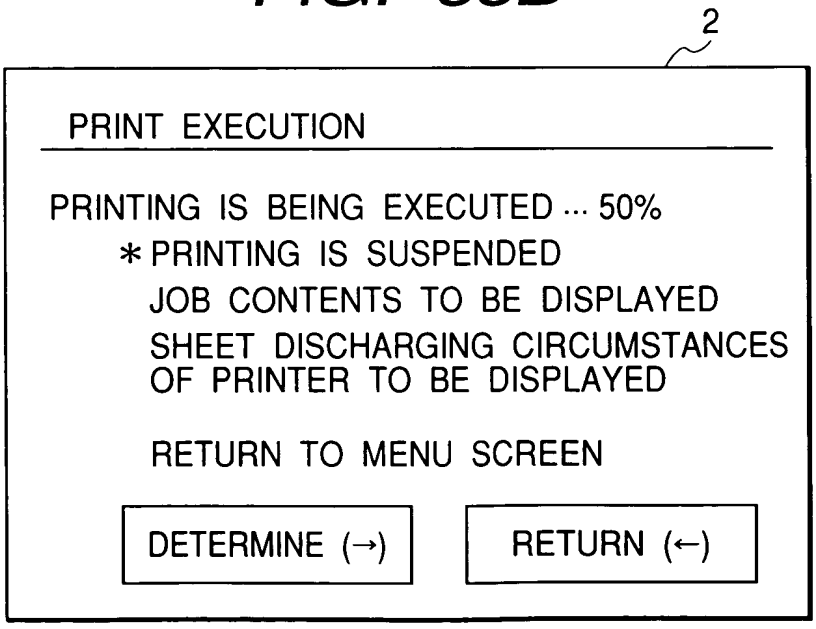


FIG. 34

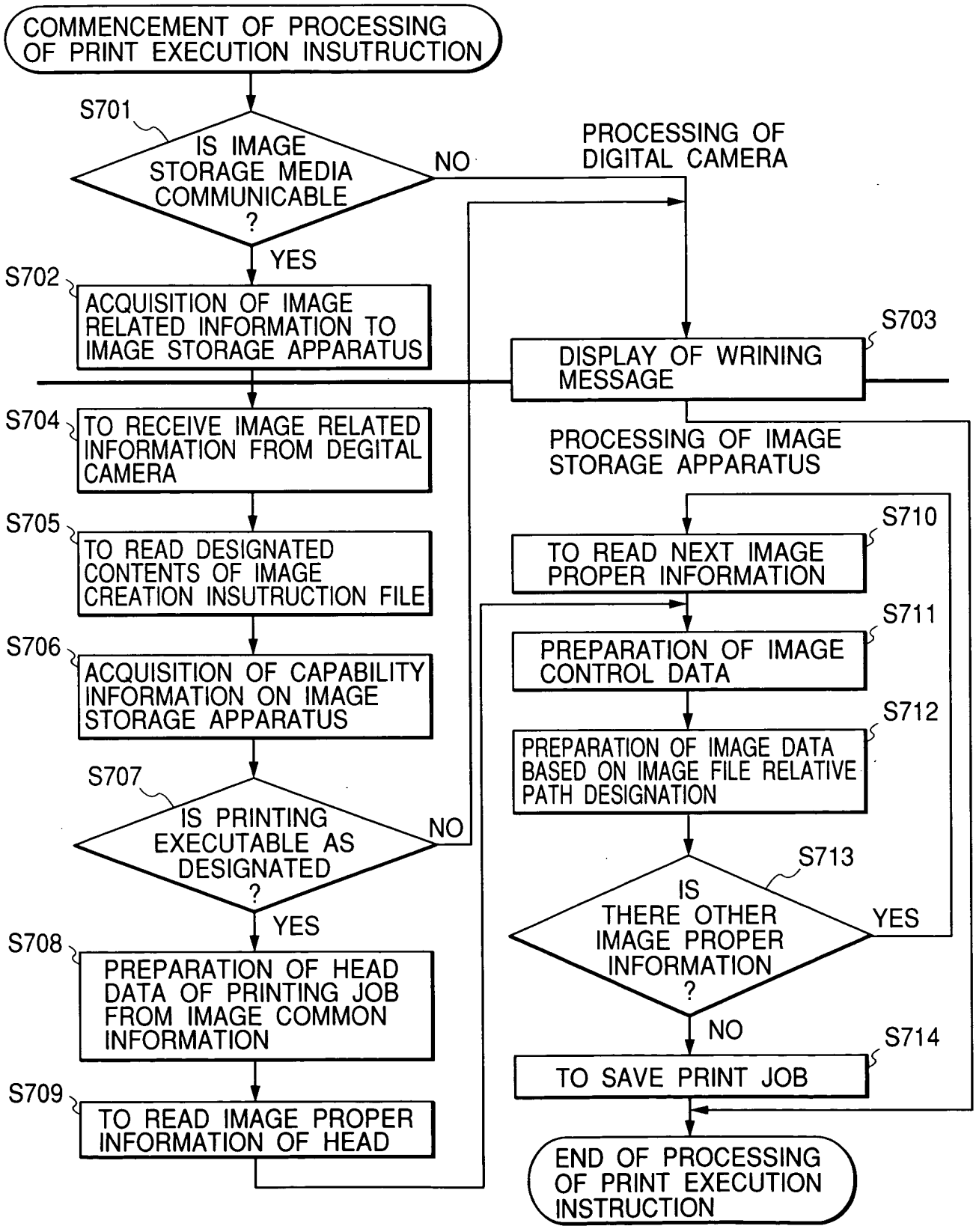

COMMENCEMENT OF PROCESSING OF PRINT EXECUTION INSUTRUCTION
S701
IS IMAGE STORAGE MEDIA COMMUNICABLE ?
NO
YES
PROCESSING OF DIGITAL CAMERA
S702
ACQUISITION OF IMAGE RELATED INFORMATION TO IMAGE STORAGE APPARATUS
S703
DISPLAY OF WRINING MESSAGE
S704
TO RECEIVE IMAGE RELATED INFORMATION FROM DEGITAL CAMERA
PROCESSING OF IMAGE STORAGE APPARATUS
S705
TO READ DESIGNATED CONTENTS OF IMAGE CREATION INSUTRUCTION FILE
S710
TO READ NEXT IMAGE PROPER INFORMATION
S706
ACQUISITION OF CAPABILITY INFORMATION ON IMAGE STORAGE APPARATUS
S711
PREPARATION OF IMAGE CONTROL DATA
S712
PREPARATION OF IMAGE DATA BASED ON IMAGE FILE RELATIVE PATH DESIGNATION
S707
IS PRINTING EXECUTABLE AS DESIGNATED ?
NO
S713
IS THERE OTHER IMAGE PROPER INFORMATION ?
YES
YES
S708
PREPARATION OF HEAD DATA OF PRINTING JOB FROM IMAGE COMMON INFORMATION
NO
S714
TO SAVE PRINT JOB
S709
TO READ IMAGE PROPER INFORMATION OF HEAD
END OF PROCESSING OF PRINT EXECUTION INSTRUCTION

FIG. 35

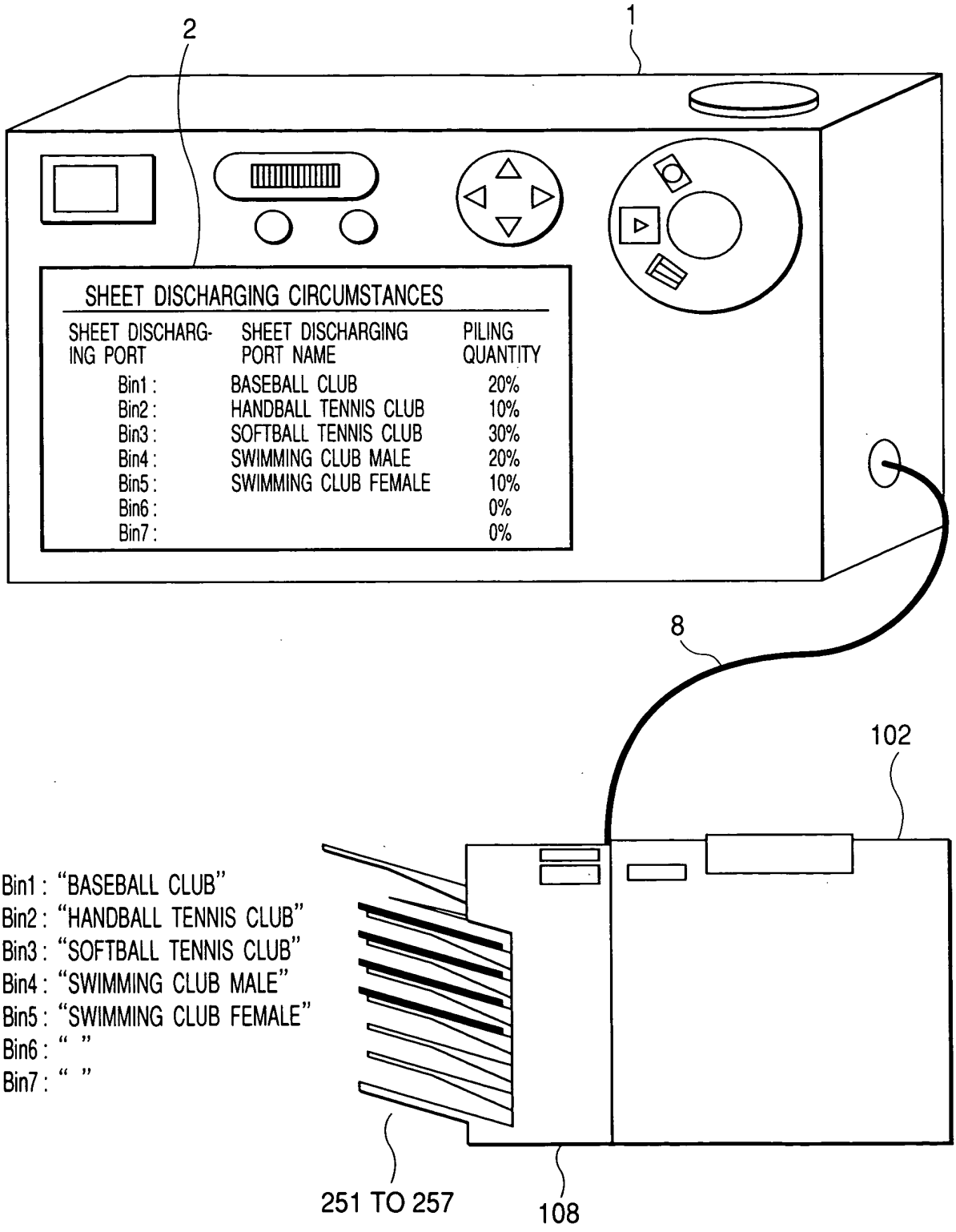

1
2
SHEET DISCHARGING CIRCUMSTANCES
SHEET DISCHARG-ING PORT
SHEET DISCHARGING PORT NAME
PILING QUANTITY
Bin1 : BASEBALL CLUB 20%
Bin2 : HANDBALL TENNIS CLUB 10%
Bin3 : SOFTBALL TENNIS CLUB 30%
Bin4 : SWIMMING CLUB MALE 20%
Bin5 : SWIMMING CLUB FEMALE 10%
Bin6 : 0%
Bin7 : 0%
8
102
Bin1 : "BASEBALL CLUB"
Bin2 : "HANDBALL TENNIS CLUB"
Bin3 : "SOFTBALL TENNIS CLUB"
Bin4 : "SWIMMING CLUB MALE"
Bin5 : "SWIMMING CLUB FEMALE"
Bin6 : " "
Bin7 : " "
251 TO 257
108

FIG. 36

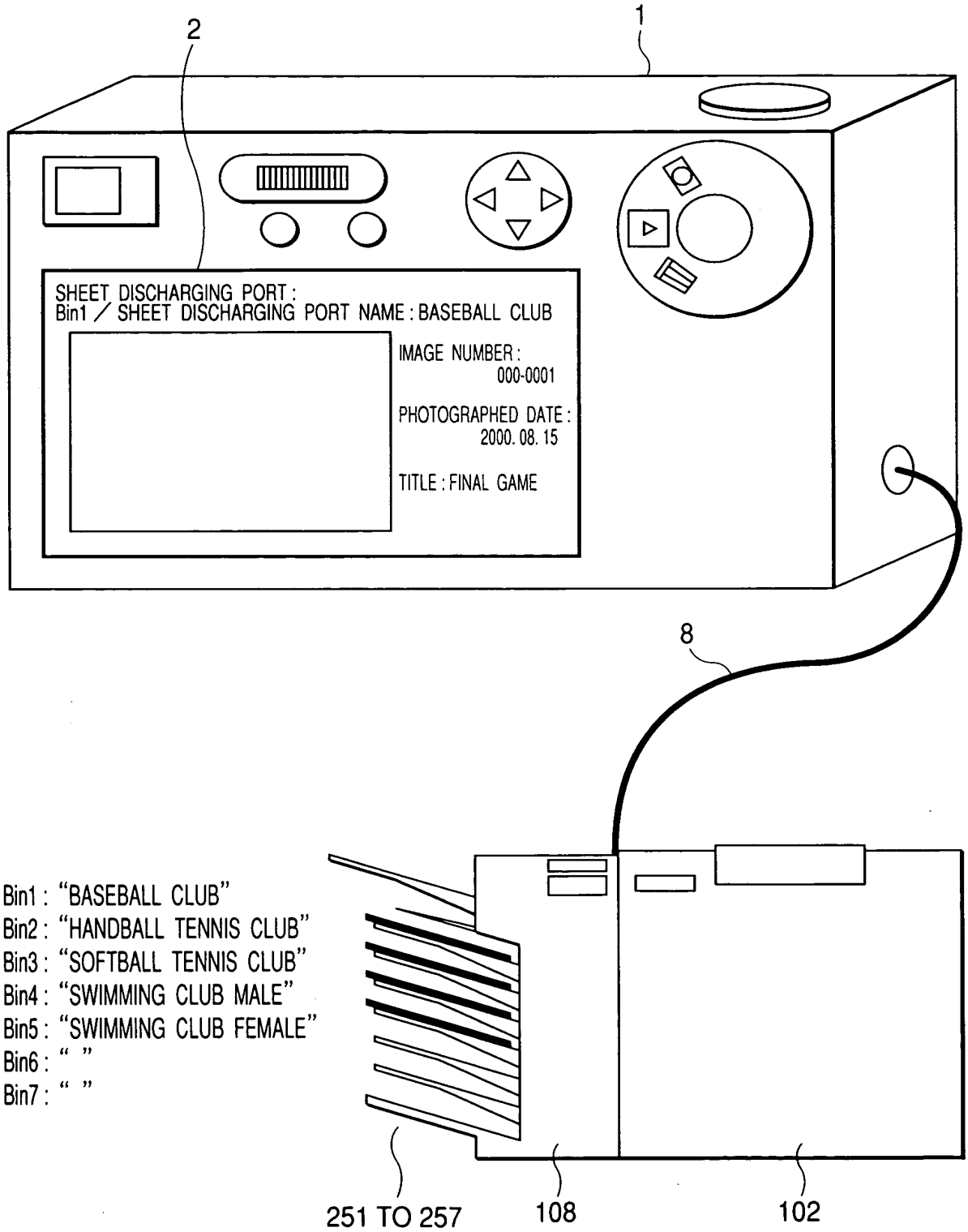

1
2
SHEET DISCHARGING PORT :
Bin1 / SHEET DISCHARGING PORT NAME : BASEBALL CLUB
IMAGE NUMBER :
000-0001
PHOTOGRAPHED DATE :
2000. 08. 15
TITLE : FINAL GAME
8
Bin1 : "BASEBALL CLUB"
Bin2 : "HANDBALL TENNIS CLUB"
Bin3 : "SOFTBALL TENNIS CLUB"
Bin4 : "SWIMMING CLUB MALE"
Bin5 : "SWIMMING CLUB FEMALE"
Bin6 : " "
Bin7 : " "
251 TO 257
108
102

FIG. 37

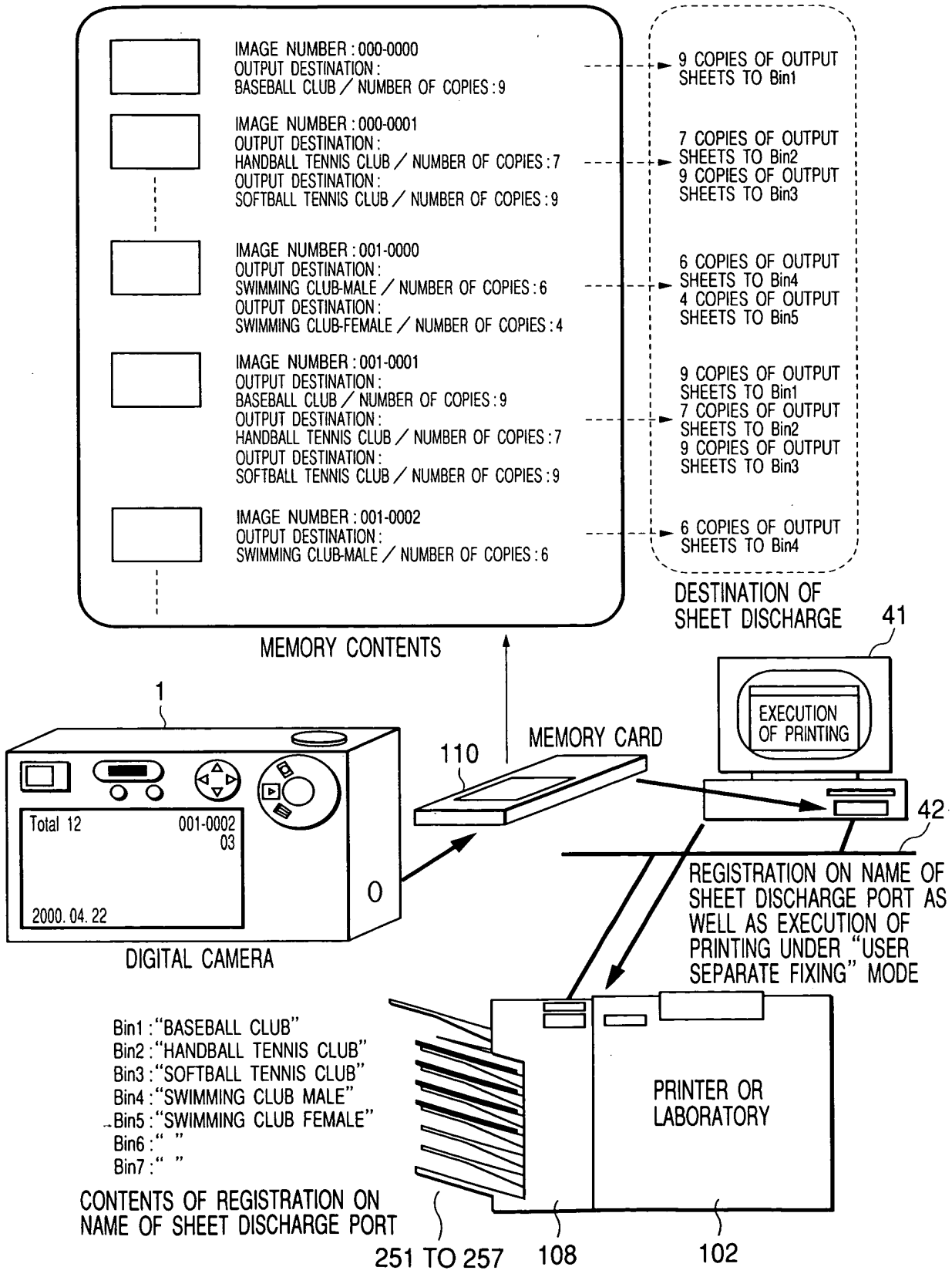


IMAGE NUMBER : 000-0000
OUTPUT DESTINATION :
BASEBALL CLUB / NUMBER OF COPIES : 9
9 COPIES OF OUTPUT SHEETS TO Bin1
IMAGE NUMBER : 000-0001
OUTPUT DESTINATION :
HANDBALL TENNIS CLUB / NUMBER OF COPIES : 7
OUTPUT DESTINATION :
SOFTBALL TENNIS CLUB / NUMBER OF COPIES : 9
7 COPIES OF OUTPUT SHEETS TO Bin2
9 COPIES OF OUTPUT SHEETS TO Bin3
IMAGE NUMBER : 001-0000
OUTPUT DESTINATION :
SWIMMING CLUB-MALE / NUMBER OF COPIES : 6
OUTPUT DESTINATION :
SWIMMING CLUB-FEMALE / NUMBER OF COPIES : 4
6 COPIES OF OUTPUT SHEETS TO Bin4
4 COPIES OF OUTPUT SHEETS TO Bin5
IMAGE NUMBER : 001-0001
OUTPUT DESTINATION :
BASEBALL CLUB / NUMBER OF COPIES : 9
OUTPUT DESTINATION :
HANDBALL TENNIS CLUB / NUMBER OF COPIES : 7
OUTPUT DESTINATION :
SOFTBALL TENNIS CLUB / NUMBER OF COPIES : 9
9 COPIES OF OUTPUT SHEETS TO Bin1
7 COPIES OF OUTPUT SHEETS TO Bin2
9 COPIES OF OUTPUT SHEETS TO Bin3
IMAGE NUMBER : 001-0002
OUTPUT DESTINATION :
SWIMMING CLUB-MALE / NUMBER OF COPIES : 6
6 COPIES OF OUTPUT SHEETS TO Bin4
DESTINATION OF SHEET DISCHARGE
41
MEMORY CONTENTS
1
Total 12
001-0002
03
2000. 04. 22
DIGITAL CAMERA
110
MEMORY CARD
EXECUTION OF PRINTING
42
REGISTRATION ON NAME OF SHEET DISCHARGE PORT AS WELL AS EXECUTION OF PRINTING UNDER "USER SEPARATE FIXING" MODE
Bin1 : "BASEBALL CLUB"
Bin2 : "HANDBALL TENNIS CLUB"
Bin3 : "SOFTBALL TENNIS CLUB"
Bin4 : "SWIMMING CLUB MALE"
Bin5 : "SWIMMING CLUB FEMALE"
Bin6 : " "
Bin7 : " "
CONTENTS OF REGISTRATION ON NAME OF SHEET DISCHARGE PORT
PRINTER OR LABORATORY
251 TO 257
108
102

FIG. 38A

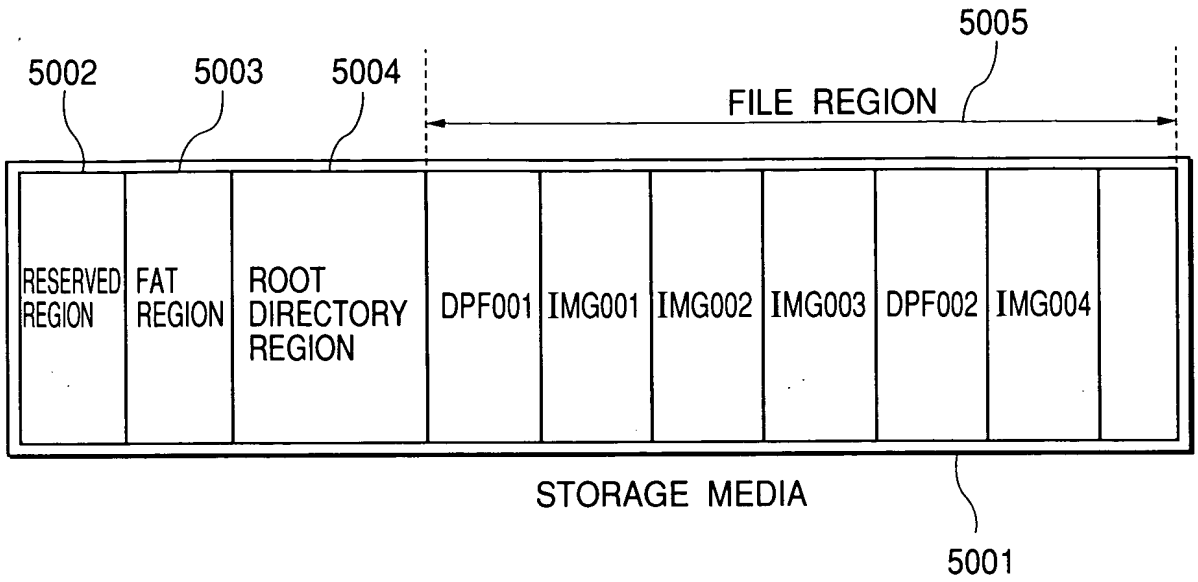


FIG. 38B

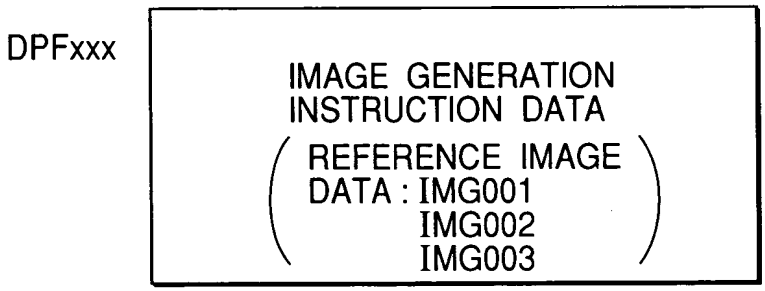


FIG. 38C

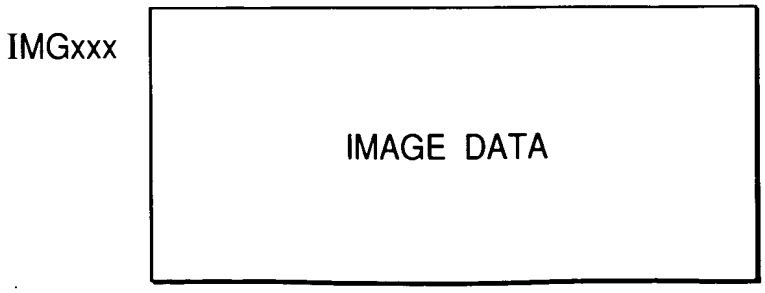


FIG. 39

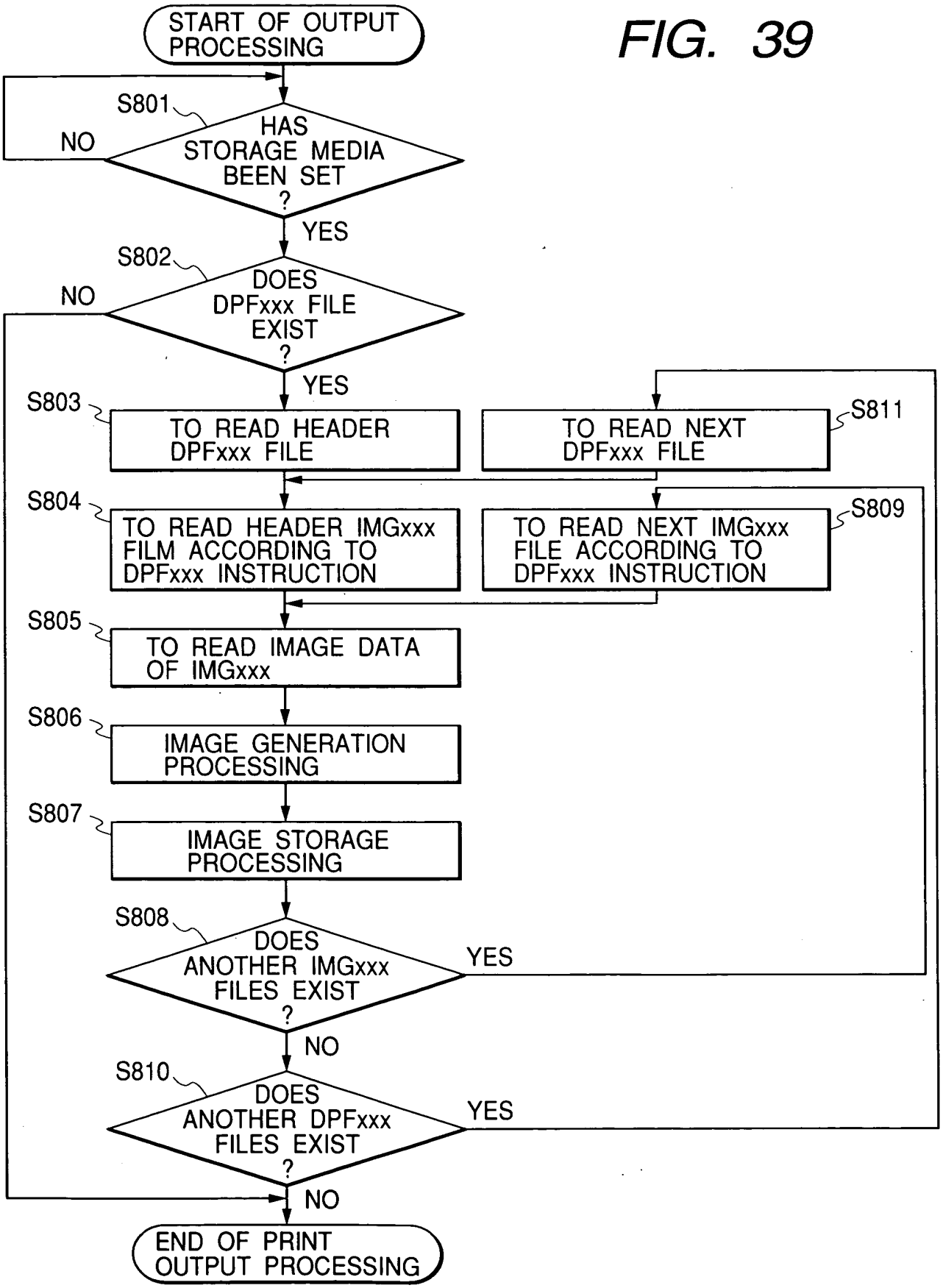

START OF OUTPUT PROCESSING
S801
HAS STORAGE MEDIA BEEN SET ?
NO
YES
S802
DOES DPFxxx FILE EXIST ?
NO
YES
S803
TO READ HEADER DPFxxx FILE
S811
TO READ NEXT DPFxxx FILE
S804
TO READ HEADER IMGxxx FILM ACCORDING TO DPFxxx INSTRUCTION
S809
TO READ NEXT IMGxxx FILE ACCORDING TO DPFxxx INSTRUCTION
S805
TO READ IMAGE DATA OF IMGxxx
S806
IMAGE GENERATION PROCESSING
S807
IMAGE STORAGE PROCESSING
S808
DOES ANOTHER IMGxxx FILES EXIST ?
YES
NO
S810
DOES ANOTHER DPFxxx FILES EXIST ?
YES
NO
END OF PRINT OUTPUT PROCESSING

FIG. 40

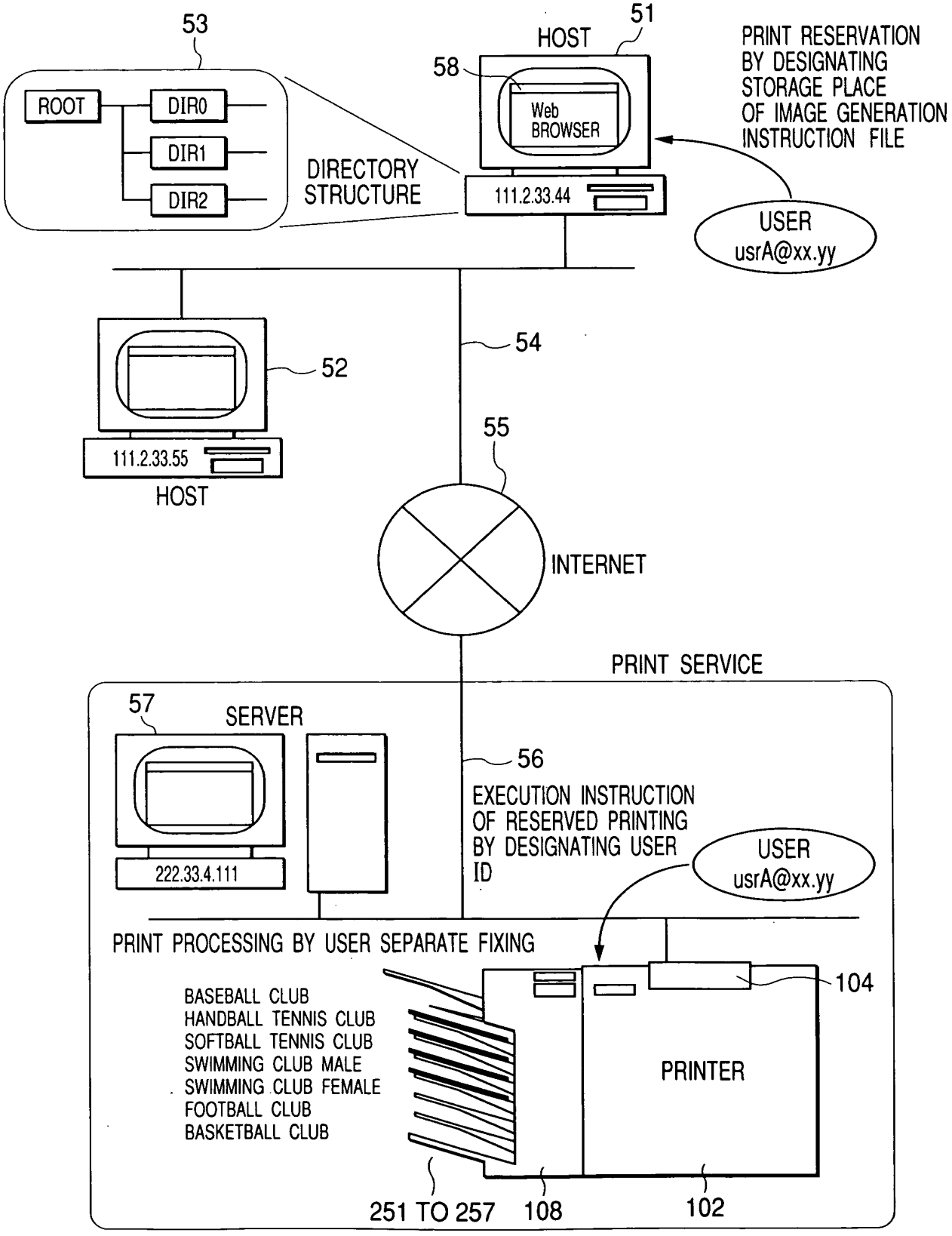

53
ROOT
DIR0
DIR1
DIR2
DIRECTORY STRUCTURE
HOST
51
58
Web BROWSER
111.2.33.44
PRINT RESERVATION BY DESIGNATING STORAGE PLACE OF IMAGE GENERATION INSTRUCTION FILE
USER usrA@xx.yy
52
111.2.33.55
HOST
54
55
INTERNET
PRINT SERVICE
57
SERVER
222.33.4.111
56
EXECUTION INSTRUCTION OF RESERVED PRINTING BY DESIGNATING USER ID
USER usrA@xx.yy
PRINT PROCESSING BY USER SEPARATE FIXING
BASEBALL CLUB
HANDBALL TENNIS CLUB
SOFTBALL TENNIS CLUB
SWIMMING CLUB MALE
SWIMMING CLUB FEMALE
FOOTBALL CLUB
BASKETBALL CLUB
104
PRINTER
251 TO 257
108
102

FIG. 41

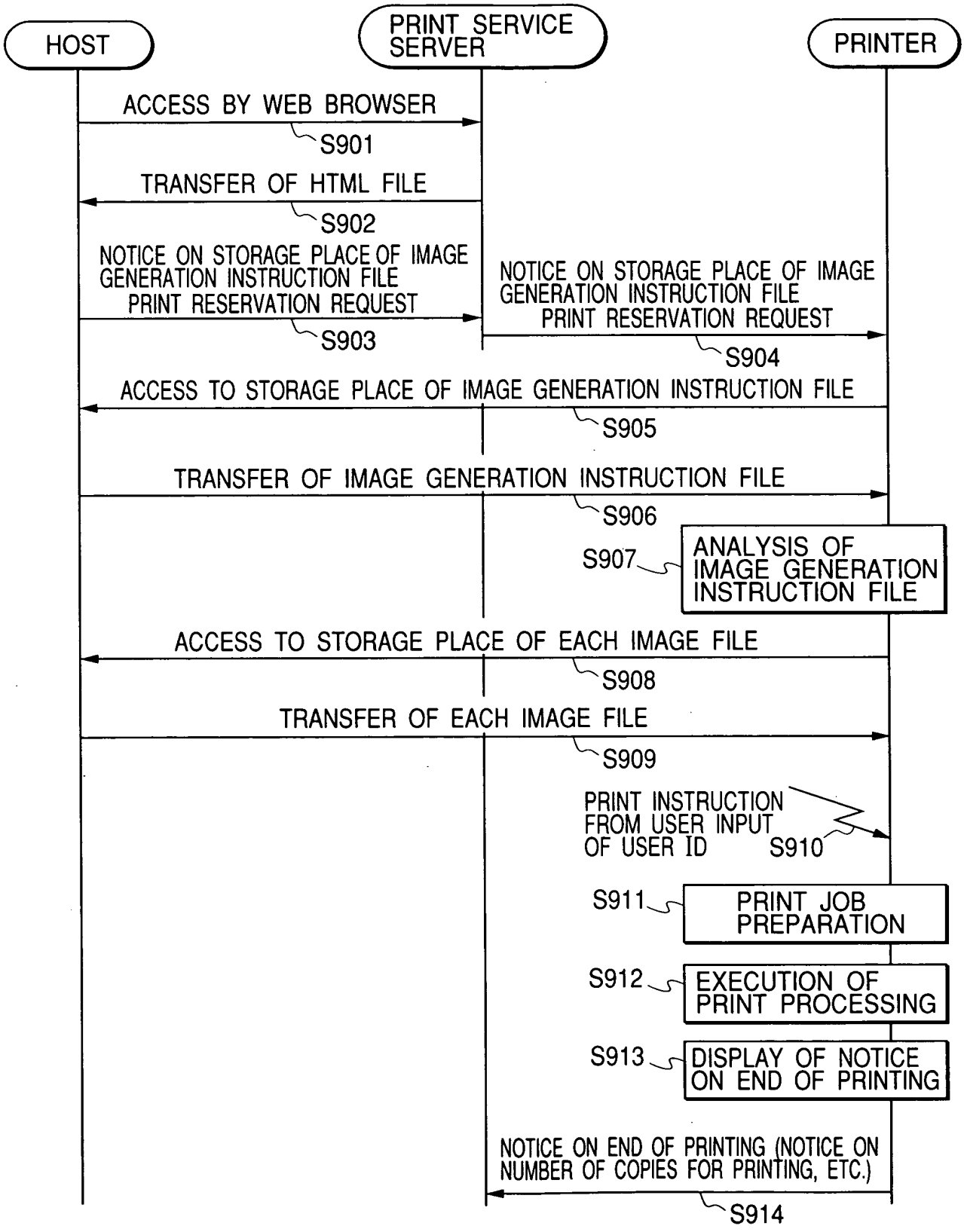

HOST
PRINT SERVICE SERVER
PRINTER
ACCESS BY WEB BROWSER
S901
TRANSFER OF HTML FILE
S902
NOTICE ON STORAGE PLACE OF IMAGE GENERATION INSTRUCTION FILE PRINT RESERVATION REQUEST
S903
NOTICE ON STORAGE PLACE OF IMAGE GENERATION INSTRUCTION FILE PRINT RESERVATION REQUEST
S904
ACCESS TO STORAGE PLACE OF IMAGE GENERATION INSTRUCTION FILE
S905
TRANSFER OF IMAGE GENERATION INSTRUCTION FILE
S906
S907
ANALYSIS OF IMAGE GENERATION INSTRUCTION FILE
ACCESS TO STORAGE PLACE OF EACH IMAGE FILE
S908
TRANSFER OF EACH IMAGE FILE
S909
PRINT INSTRUCTION FROM USER INPUT OF USER ID
S910
S911
PRINT JOB PREPARATION
S912
EXECUTION OF PRINT PROCESSING
S913
DISPLAY OF NOTICE ON END OF PRINTING
NOTICE ON END OF PRINTING (NOTICE ON NUMBER OF COPIES FOR PRINTING, ETC.)
S914

FIG. 42

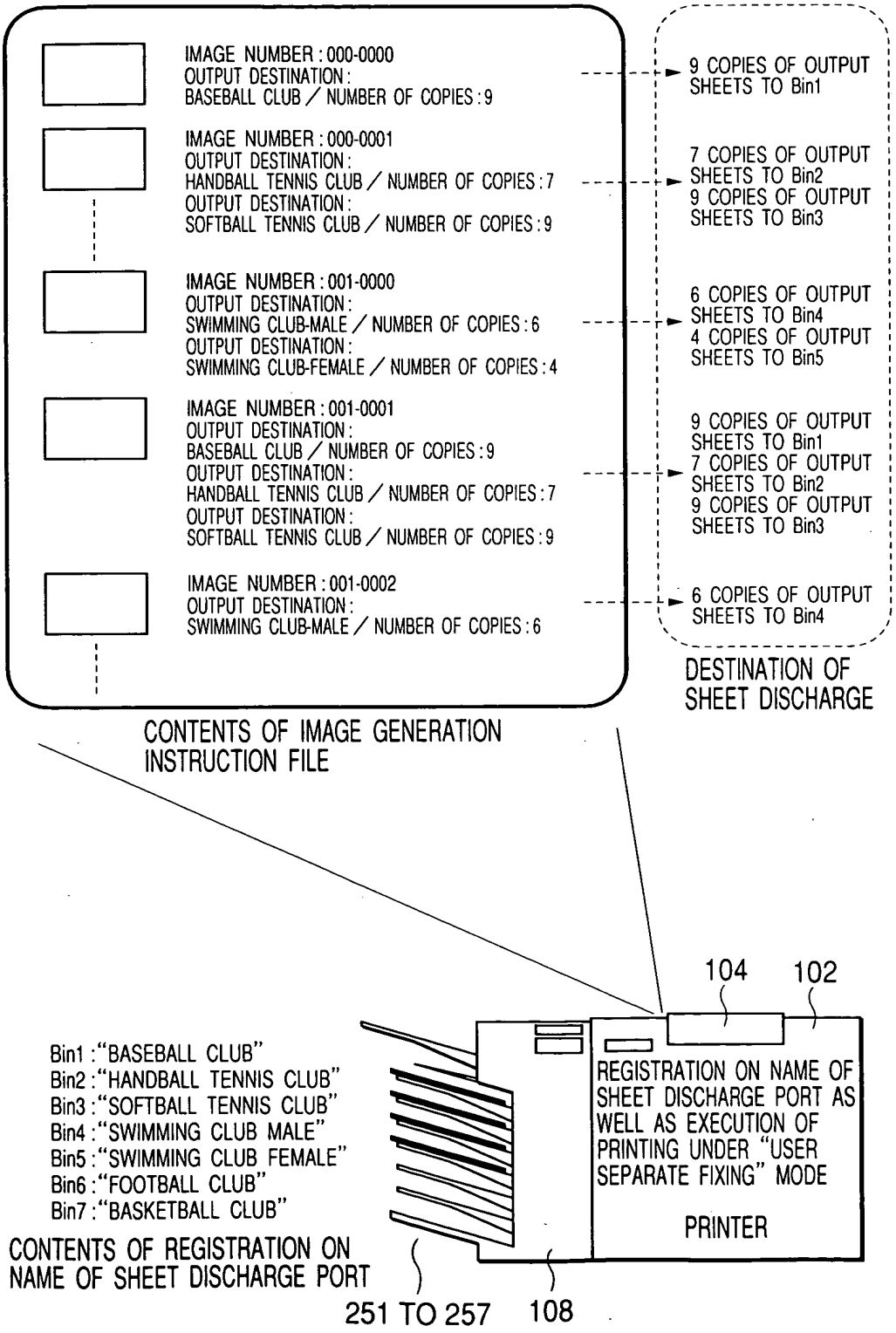


IMAGE NUMBER : 000-0000
OUTPUT DESTINATION :
BASEBALL CLUB / NUMBER OF COPIES : 9
IMAGE NUMBER : 000-0001
OUTPUT DESTINATION :
HANDBALL TENNIS CLUB / NUMBER OF COPIES : 7
OUTPUT DESTINATION :
SOFTBALL TENNIS CLUB / NUMBER OF COPIES : 9
IMAGE NUMBER : 001-0000
OUTPUT DESTINATION :
SWIMMING CLUB-MALE / NUMBER OF COPIES : 6
OUTPUT DESTINATION :
SWIMMING CLUB-FEMALE / NUMBER OF COPIES : 4
IMAGE NUMBER : 001-0001
OUTPUT DESTINATION :
BASEBALL CLUB / NUMBER OF COPIES : 9
OUTPUT DESTINATION :
HANDBALL TENNIS CLUB / NUMBER OF COPIES : 7
OUTPUT DESTINATION :
SOFTBALL TENNIS CLUB / NUMBER OF COPIES : 9
IMAGE NUMBER : 001-0002
OUTPUT DESTINATION :
SWIMMING CLUB-MALE / NUMBER OF COPIES : 6
CONTENTS OF IMAGE GENERATION INSTRUCTION FILE
9 COPIES OF OUTPUT SHEETS TO Bin1
7 COPIES OF OUTPUT SHEETS TO Bin2
9 COPIES OF OUTPUT SHEETS TO Bin3
6 COPIES OF OUTPUT SHEETS TO Bin4
4 COPIES OF OUTPUT SHEETS TO Bin5
9 COPIES OF OUTPUT SHEETS TO Bin1
7 COPIES OF OUTPUT SHEETS TO Bin2
9 COPIES OF OUTPUT SHEETS TO Bin3
6 COPIES OF OUTPUT SHEETS TO Bin4
DESTINATION OF SHEET DISCHARGE
104
102
Bin1 : "BASEBALL CLUB"
Bin2 : "HANDBALL TENNIS CLUB"
Bin3 : "SOFTBALL TENNIS CLUB"
Bin4 : "SWIMMING CLUB MALE"
Bin5 : "SWIMMING CLUB FEMALE"
Bin6 : "FOOTBALL CLUB"
Bin7 : "BASKETBALL CLUB"
CONTENTS OF REGISTRATION ON NAME OF SHEET DISCHARGE PORT
REGISTRATION ON NAME OF SHEET DISCHARGE PORT AS WELL AS EXECUTION OF PRINTING UNDER "USER SEPARATE FIXING" MODE
PRINTER
251 TO 257
108

FIG. 43

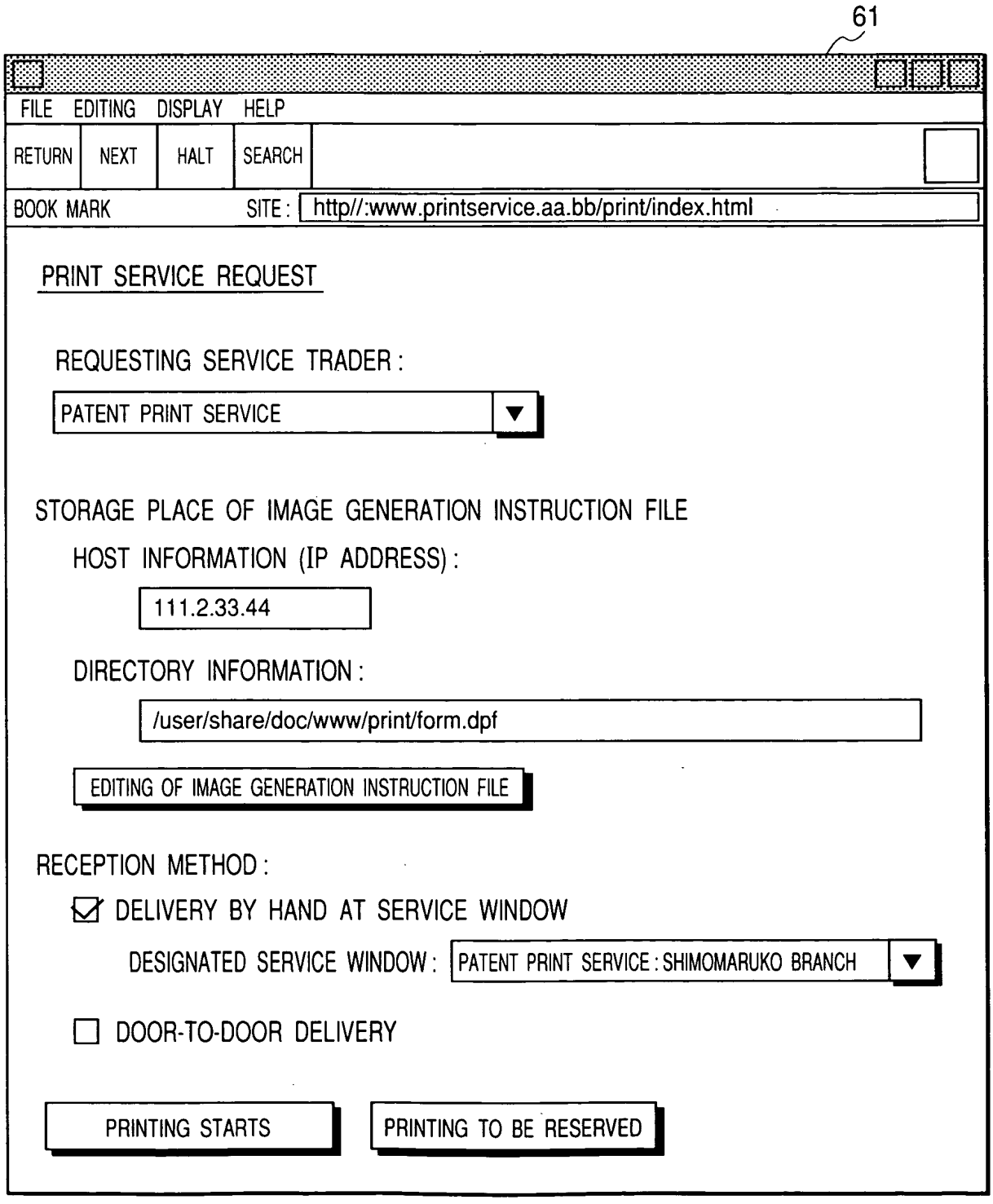

61
FILE EDITING DISPLAY HELP
RETURN
NEXT
HALT
SEARCH
BOOK MARK
SITE : http//:www.printservice.aa.bb/print/index.html
PRINT SERVICE REQUEST
REQUESTING SERVICE TRADER :
PATENT PRINT SERVICE
STORAGE PLACE OF IMAGE GENERATION INSTRUCTION FILE
HOST INFORMATION (IP ADDRESS) :
111.2.33.44
DIRECTORY INFORMATION :
/user/share/doc/www/print/form.dpf
EDITING OF IMAGE GENERATION INSTRUCTION FILE
RECEPTION METHOD :
DELIVERY BY HAND AT SERVICE WINDOW
DESIGNATED SERVICE WINDOW : PATENT PRINT SERVICE : SHIMOMARUKO BRANCH
DOOR-TO-DOOR DELIVERY
PRINTING STARTS
PRINTING TO BE RESERVED

FIG. 44

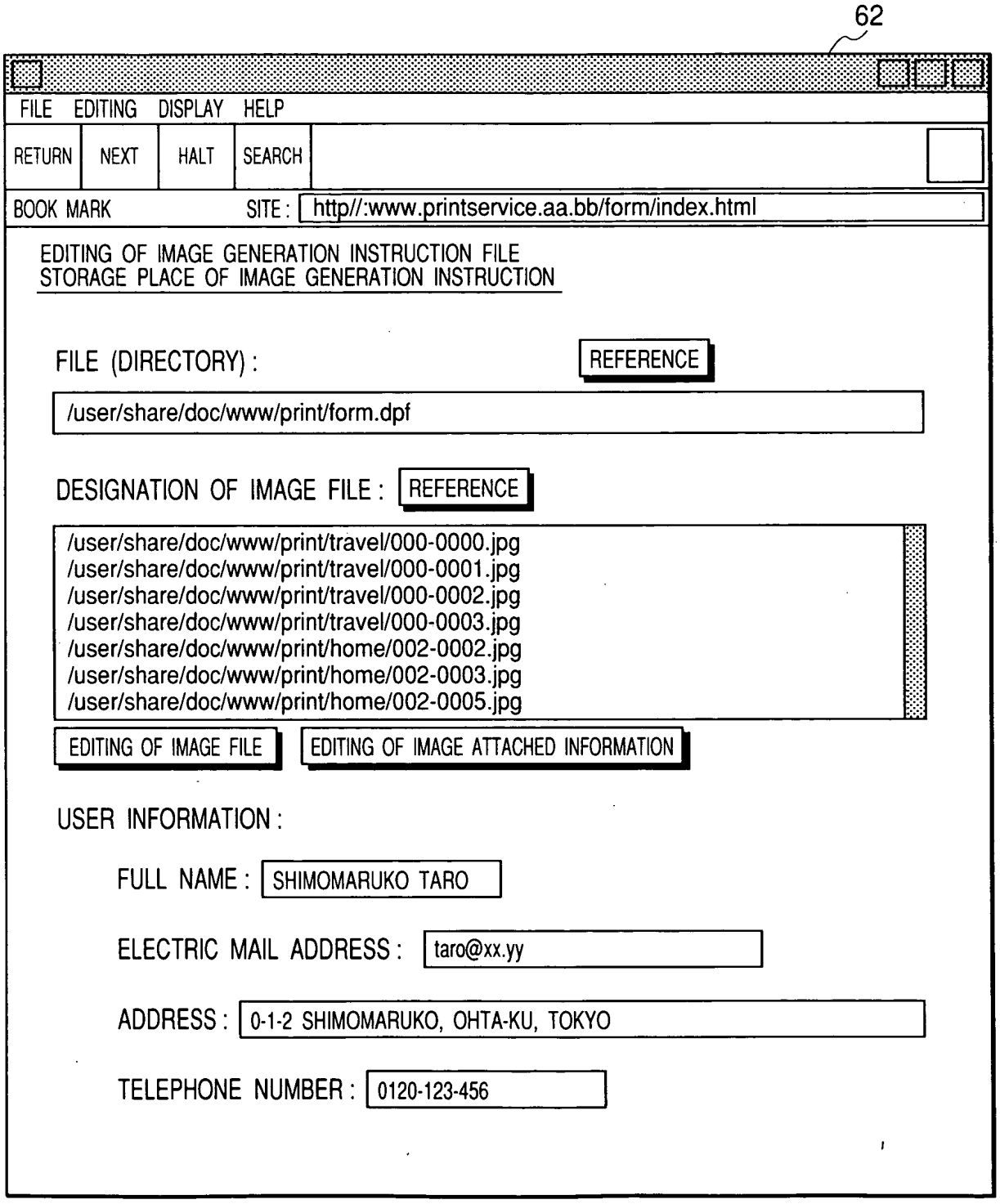

62
FILE EDITING DISPLAY HELP
RETURN
NEXT
HALT
SEARCH
BOOK MARK
SITE : http//:www.printservice.aa.bb/form/index.html
EDITING OF IMAGE GENERATION INSTRUCTION FILE
STORAGE PLACE OF IMAGE GENERATION INSTRUCTION
FILE (DIRECTORY) :
REFERENCE
/user/share/doc/www/print/form.dpf
DESIGNATION OF IMAGE FILE :
REFERENCE
/user/share/doc/www/print/travel/000-0000.jpg
/user/share/doc/www/print/travel/000-0001.jpg
/user/share/doc/www/print/travel/000-0002.jpg
/user/share/doc/www/print/travel/000-0003.jpg
/user/share/doc/www/print/home/002-0002.jpg
/user/share/doc/www/print/home/002-0003.jpg
/user/share/doc/www/print/home/002-0005.jpg
EDITING OF IMAGE FILE
EDITING OF IMAGE ATTACHED INFORMATION
USER INFORMATION :
FULL NAME : SHIMOMARUKO TARO
ELECTRIC MAIL ADDRESS : taro@xx.yy
ADDRESS : 0-1-2 SHIMOMARUKO, OHTA-KU, TOKYO
TELEPHONE NUMBER : 0120-123-456

FIG. 45

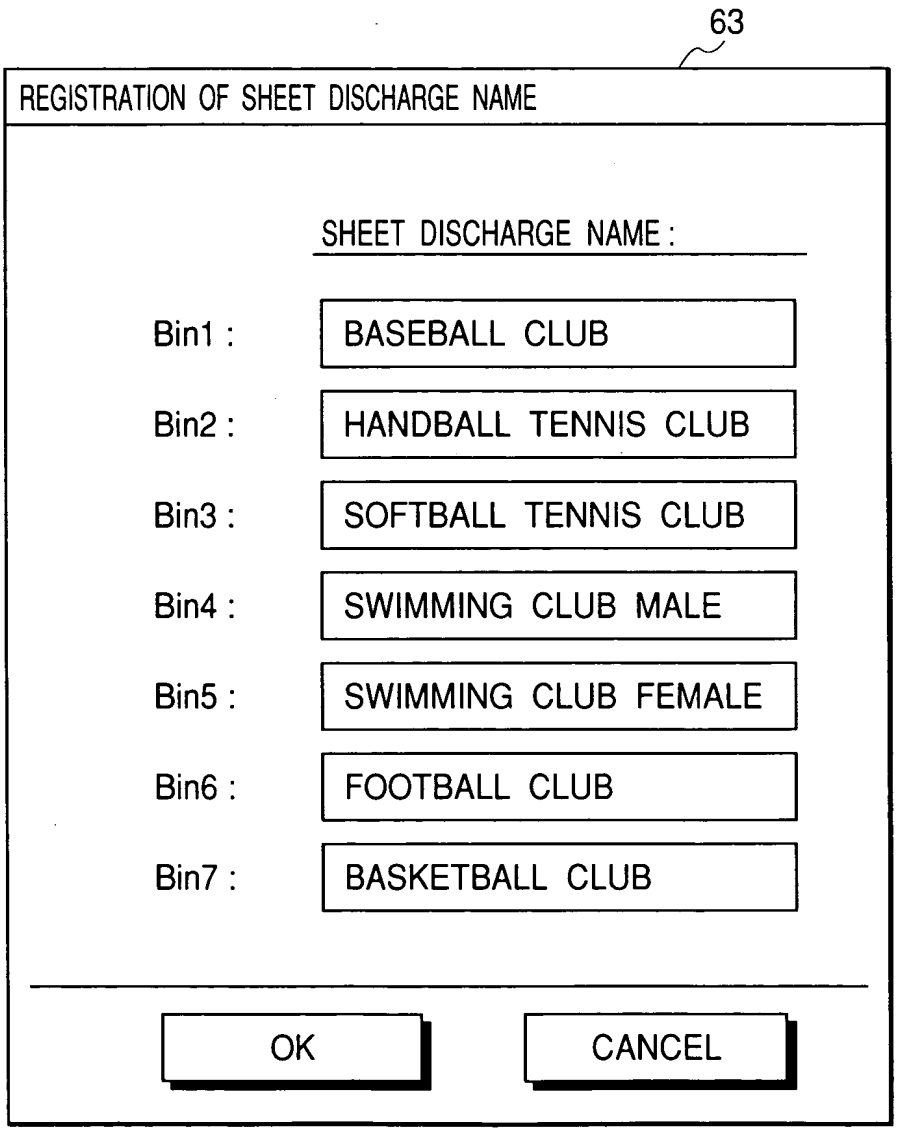

63
REGISTRATION OF SHEET DISCHARGE NAME
SHEET DISCHARGE NAME :
Bin1 :
BASEBALL CLUB
Bin2 :
HANDBALL TENNIS CLUB
Bin3 :
SOFTBALL TENNIS CLUB
Bin4 :
SWIMMING CLUB MALE
Bin5 :
SWIMMING CLUB FEMALE
Bin6 :
FOOTBALL CLUB
Bin7 :
BASKETBALL CLUB
OK
CANCEL

FIG. 46

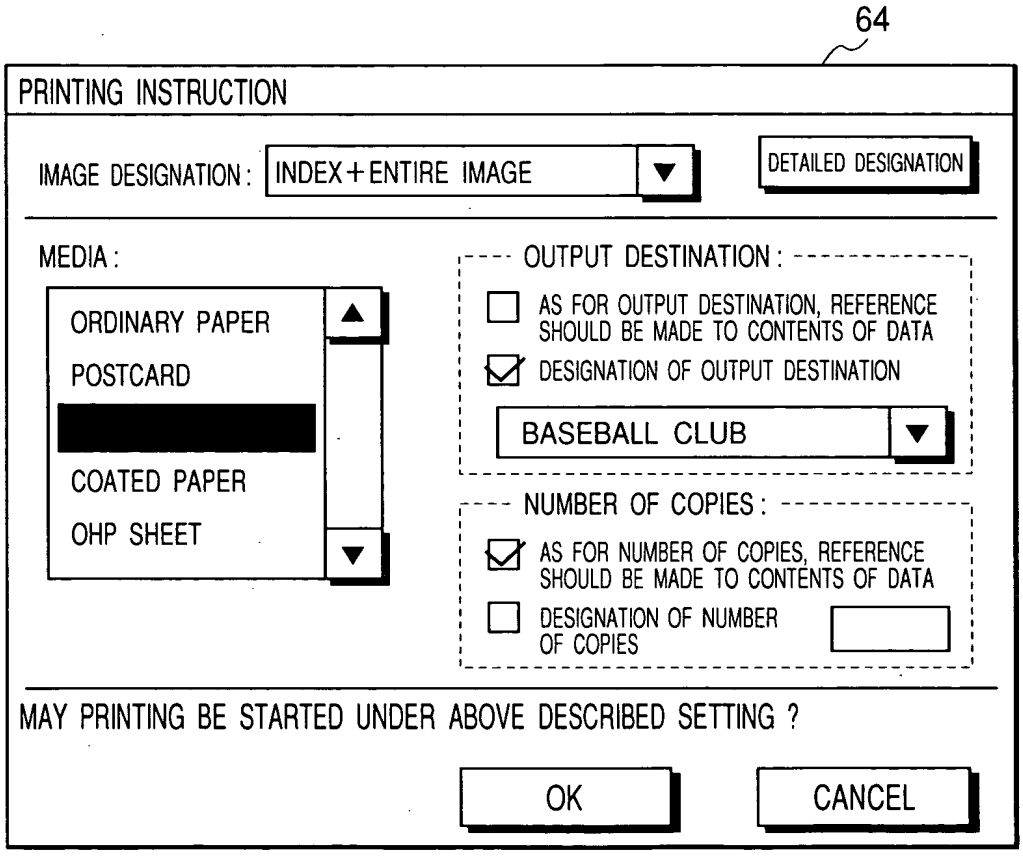

64
PRINTING INSTRUCTION
IMAGE DESIGNATION:
INDEX+ENTIRE IMAGE
DETAILED DESIGNATION
MEDIA:
ORDINARY PAPER
POSTCARD
COATED PAPER
OHP SHEET
OUTPUT DESTINATION:
AS FOR OUTPUT DESTINATION, REFERENCE SHOULD BE MADE TO CONTENTS OF DATA
DESIGNATION OF OUTPUT DESTINATION
BASEBALL CLUB
NUMBER OF COPIES:
AS FOR NUMBER OF COPIES, REFERENCE SHOULD BE MADE TO CONTENTS OF DATA
DESIGNATION OF NUMBER OF COPIES
MAY PRINTING BE STARTED UNDER ABOVE DESCRIBED SETTING ?
OK
CANCEL

FIG. 47

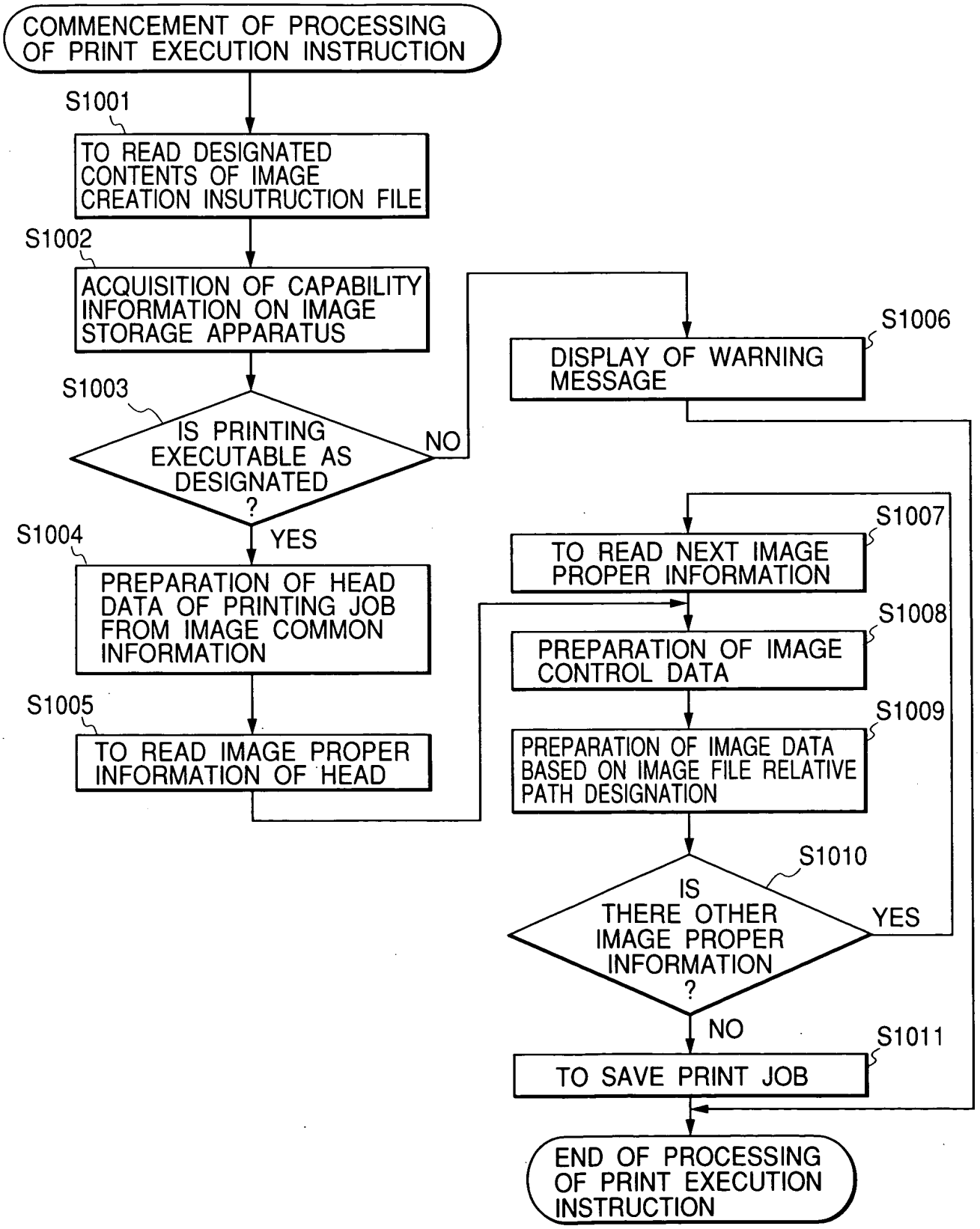

COMMENCEMENT OF PROCESSING OF PRINT EXECUTION INSTRUCTION
S1001
TO READ DESIGNATED CONTENTS OF IMAGE CREATION INSUTRUCTION FILE
S1002
ACQUISITION OF CAPABILITY INFORMATION ON IMAGE STORAGE APPARATUS
S1003
IS PRINTING EXECUTABLE AS DESIGNATED ?
NO
YES
S1004
PREPARATION OF HEAD DATA OF PRINTING JOB FROM IMAGE COMMON INFORMATION
S1005
TO READ IMAGE PROPER INFORMATION OF HEAD
S1006
DISPLAY OF WARNING MESSAGE
S1007
TO READ NEXT IMAGE PROPER INFORMATION
S1008
PREPARATION OF IMAGE CONTROL DATA
S1009
PREPARATION OF IMAGE DATA BASED ON IMAGE FILE RELATIVE PATH DESIGNATION
S1010
IS THERE OTHER IMAGE PROPER INFORMATION ?
YES
NO
S1011
TO SAVE PRINT JOB
END OF PROCESSING OF PRINT EXECUTION INSTRUCTION

FIG. 48

SHEET DISCHARGING CIRCUMSTANCES

SHEET DISCHARGING PORT	SHEET DISCHARGING PORT NAME	PILING QUANTITY
Bin1 :	BASEBALL CLUB	20%
Bin2 :	HANDBALL TENNIS CLUB	10%
Bin3 :	SOFTBALL TENNIS CLUB	30%
Bin4 :	SWIMMING CLUB MALE	20%
Bin5 :	SWIMMING CLUB FEMALE	0%
Bin6 :	FOOTBALL CLUB	0%
Bin7 :	BASKETBALL CLUB	0%

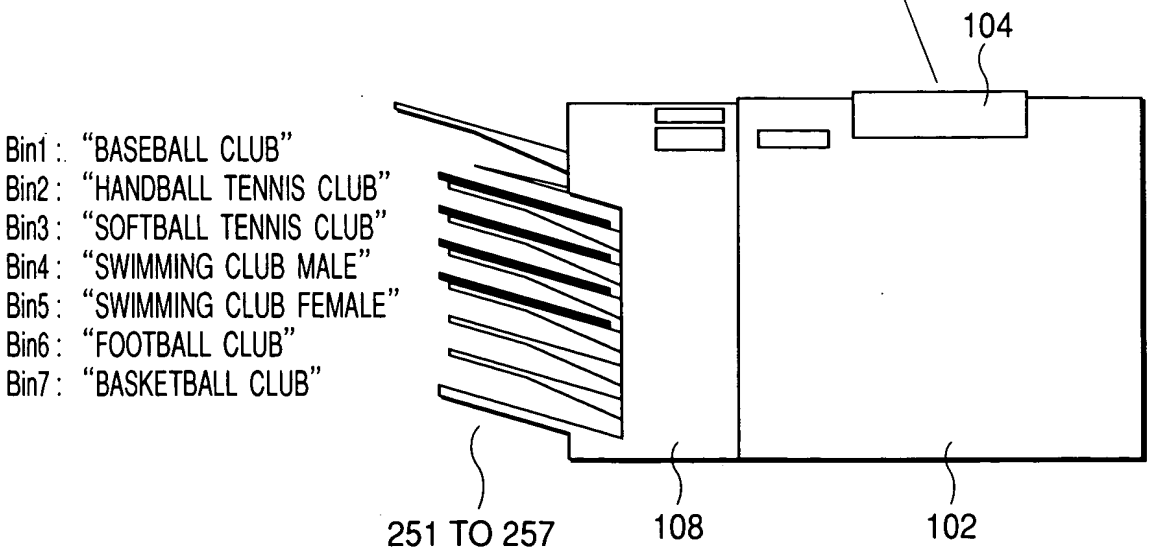


FIG. 49

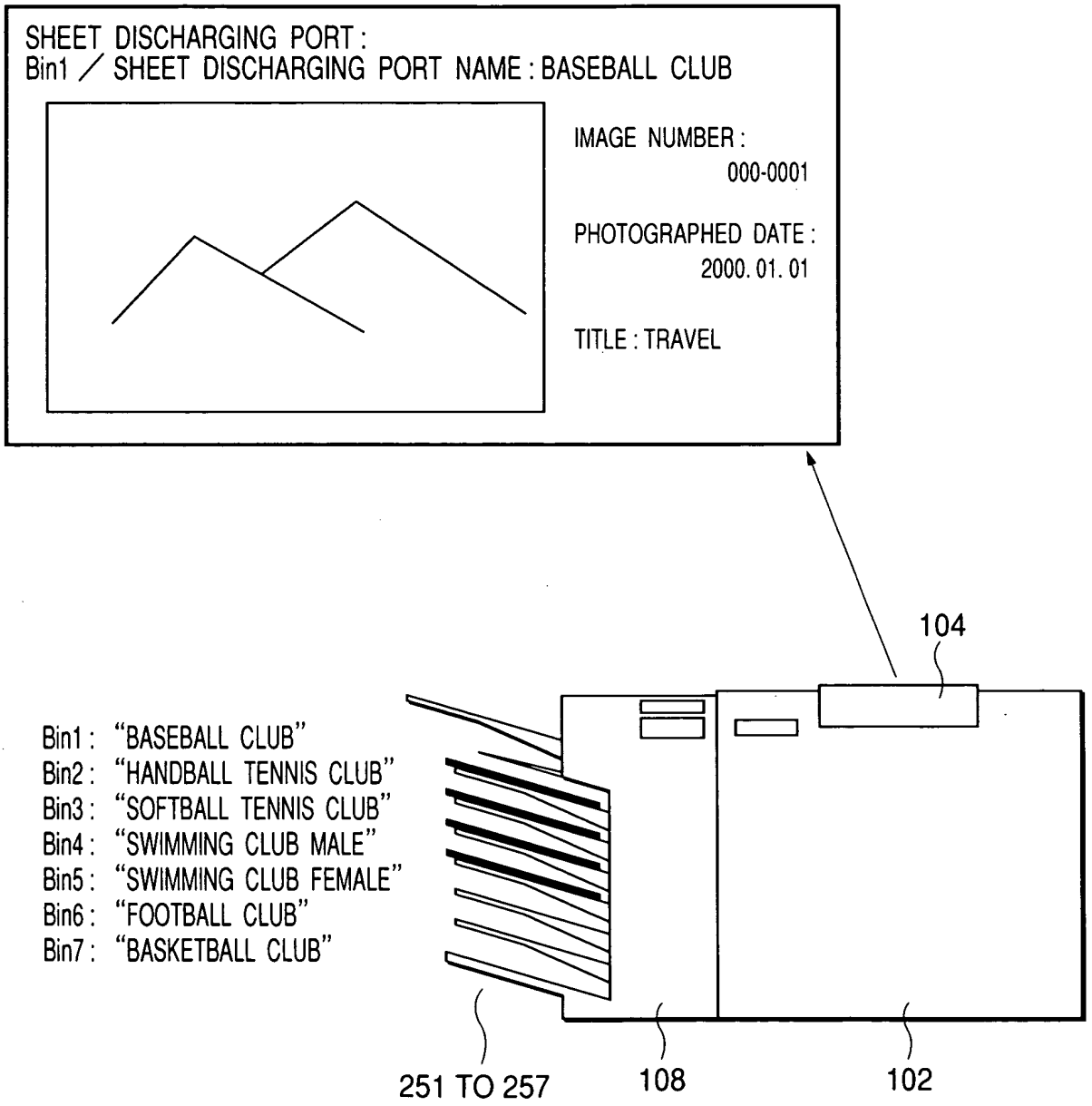

SHEET DISCHARGING PORT :
Bin1 / SHEET DISCHARGING PORT NAME : BASEBALL CLUB
IMAGE NUMBER :
000-0001
PHOTOGRAPHED DATE :
2000. 01. 01
TITLE : TRAVEL
104
Bin1 : "BASEBALL CLUB"
Bin2 : "HANDBALL TENNIS CLUB"
Bin3 : "SOFTBALL TENNIS CLUB"
Bin4 : "SWIMMING CLUB MALE"
Bin5 : "SWIMMING CLUB FEMALE"
Bin6 : "FOOTBALL CLUB"
Bin7 : "BASKETBALL CLUB"
251 TO 257
108
102

FIG. 50

65

☆☆☆ENTIRE SHEET DISCHARGING PORT PILING JOB INFORMATION☆☆☆

SHEET DISCHARGING MODE = USER SEPARATE FIXING
TOTAL NUMBER OF COPIES OF SHEET DISCHARGING = 165 COPIES
OUTPUT DATE AND TIME = 2000/05/05 15 : 51

<Bin1>
SHEET DISCHARGING PORT NAME = BASEBALL CLUB
NUMBER OF COPIES OF SHEET DISCHARGING = 41 COPIES

<Bin2>
SHEET DISCHARGING PORT NAME = HARDBALL TENNIS CLUB
NUMBER OF COPIES OF SHEET DISCHARGING = 20 COPIES

<Bin3>
SHEET DISCHARGING PORT NAME = SOFTBALL TENNIS CLUB
NUMBER OF COPIES OF SHEET DISCHARGING = 64 COPIES

<Bin4>
SHEET DISCHARGING PORT NAME = SWIMMING CLUB MALE
NUMBER OF COPIES OF SHEET DISCHARGING = 40 COPIES

<Bin5>
SHEET DISCHARGING PORT NAME = SWIMMING CLUB FEMALE
NUMBER OF COPIES OF SHEET DISCHARGING = 0 COPY

<Bin6>
SHEET DISCHARGING PORT NAME = FOOTBALL CLUB
NUMBER OF COPIES OF SHEET DISCHARGING = 0 COPY

<Bin7>
SHEET DISCHARGING PORT NAME = BASKETBALL CLUB
NUMBER OF COPIES OF SHEET DISCHARGING = 0 COPY

FIG. 51

66

☆☆☆ SHEET DISCHARGING PORT PILING JOB INFORMATION ☆☆☆

SHEET DISCHARGING PORT = Bin1
SHEET DISCHARGING PORT NAME = BASEBALL CLUB
SHEET DISCHARGING MODE = USER SEPARATE FIXING
NUMBER OF PILING COPIES = 41 COPIES
OUTPUT DATE AND TIME = 2000/05/05 15 : 51

IMAGE NUMBER	PHOTOGRAPHED DATE	TITLE	NUMBER OF COPIES	----------
000-0000	1999.12.31	TRAVEL	2	----------
000-0001	2000.01.01	TRAVEL	1	----------
000-0002	2000.01.01	TRAVEL	4	----------
000-0004	2000.01.01	TRAVEL	2	----------
000-0005	2000.01.01	TRAVEL	2	----------
000-0006	2000.01.01	TRAVEL	1	----------
000-0008	2000.01.01	TRAVEL	2	----------
000-0009	2000.01.01	TRAVEL	1	----------
000-0010	2000.01.01	TRAVEL	1	----------
000-0011	2000.02.02	Untitled	2	----------
000-0014	2000.02.02	Untitled	2	----------
001-0001	2000.04.22	COMMEMORATIVE HOTOGRAPH	2	----------
001-0003	2000.04.22	GAME	5	----------
001-0005	2000.04.22	GAME	3	----------
001-0006	2000.04.22	GAME	1	----------
001-0010	2000.04.22	GAME	2	----------
001-0012	2000.04.22	GAME	1	----------
001-0013	2000.04.22	GAME	1	----------
001-0014	2000.04.22	GAME	1	----------
002-0015	2000.04.22	GAME	2	----------
002-0016	2000.04.22	GAME	3	----------

FIG. 52

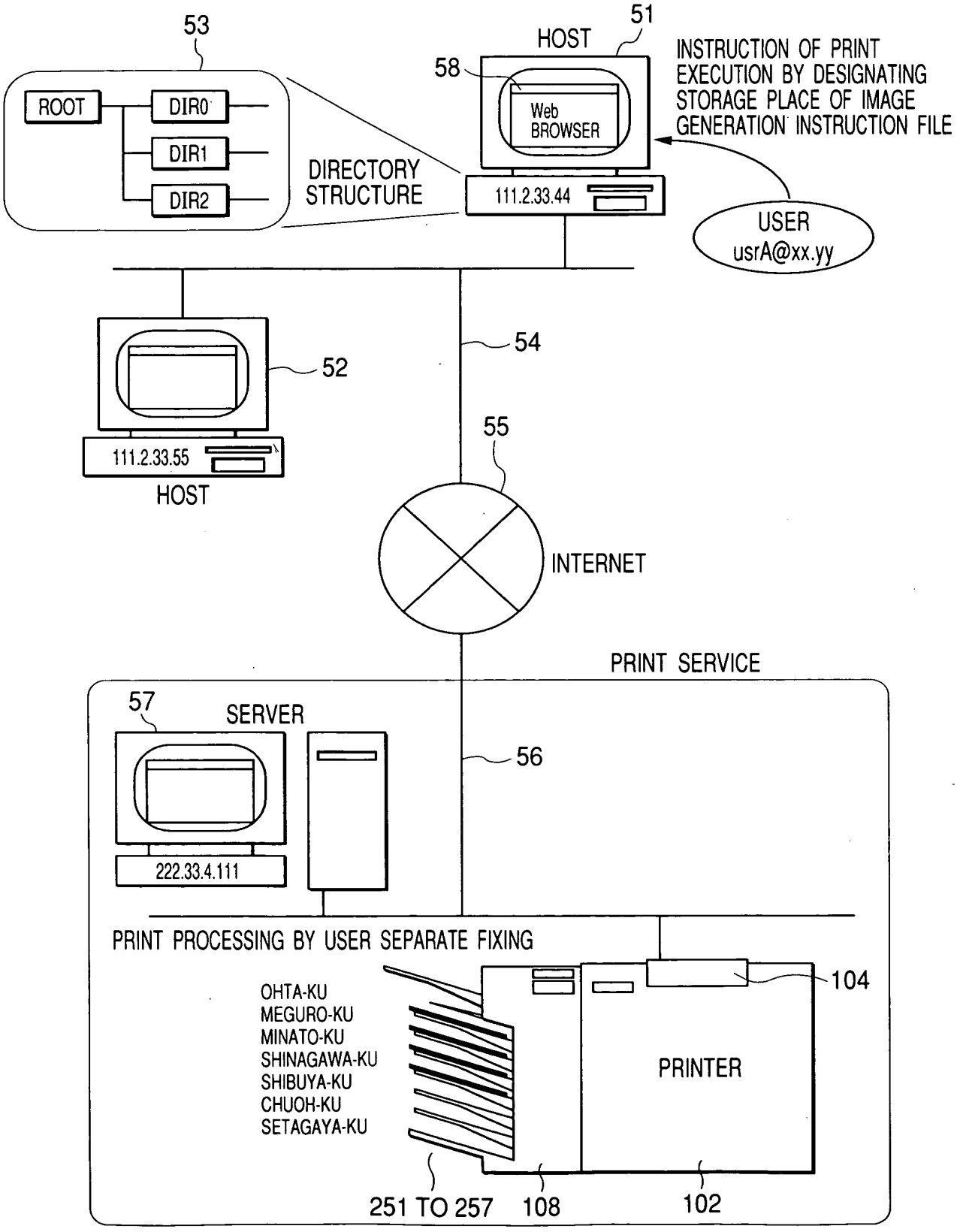

53
ROOT
DIR0
DIR1
DIR2
DIRECTORY STRUCTURE
51
HOST
58
Web BROWSER
111.2.33.44
INSTRUCTION OF PRINT EXECUTION BY DESIGNATING STORAGE PLACE OF IMAGE GENERATION INSTRUCTION FILE
USER usrA@xx.yy
52
111.2.33.55
HOST
54
55
INTERNET
PRINT SERVICE
57
SERVER
56
222.33.4.111
PRINT PROCESSING BY USER SEPARATE FIXING
OHTA-KU
MEGURO-KU
MINATO-KU
SHINAGAWA-KU
SHIBUYA-KU
CHUOH-KU
SETAGAYA-KU
104
PRINTER
251 TO 257
108
102

FIG. 53

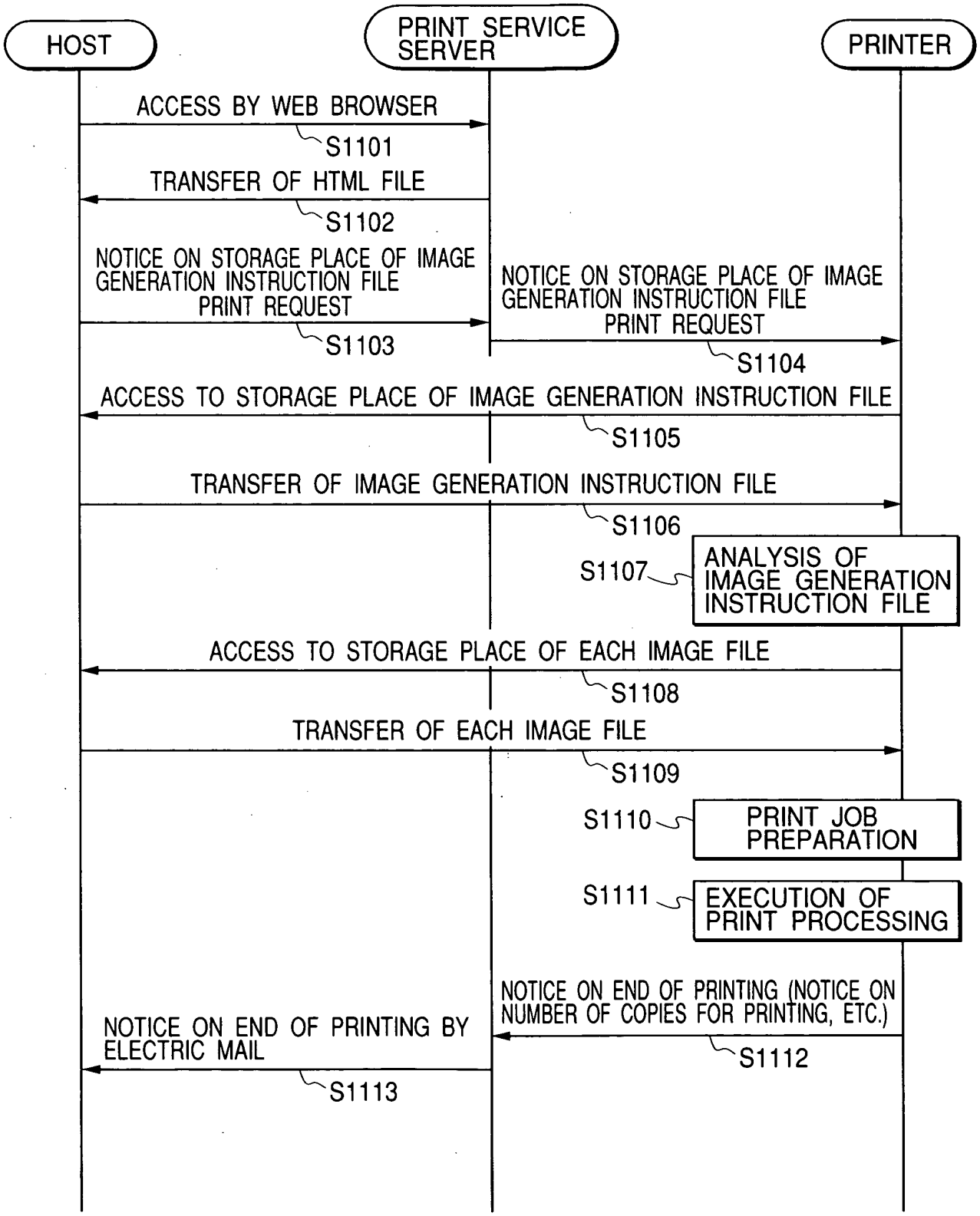

HOST
PRINT SERVICE SERVER
PRINTER
ACCESS BY WEB BROWSER
S1101
TRANSFER OF HTML FILE
S1102
NOTICE ON STORAGE PLACE OF IMAGE GENERATION INSTRUCTION FILE PRINT REQUEST
S1103
NOTICE ON STORAGE PLACE OF IMAGE GENERATION INSTRUCTION FILE PRINT REQUEST
S1104
ACCESS TO STORAGE PLACE OF IMAGE GENERATION INSTRUCTION FILE
S1105
TRANSFER OF IMAGE GENERATION INSTRUCTION FILE
S1106
S1107
ANALYSIS OF IMAGE GENERATION INSTRUCTION FILE
ACCESS TO STORAGE PLACE OF EACH IMAGE FILE
S1108
TRANSFER OF EACH IMAGE FILE
S1109
S1110
PRINT JOB PREPARATION
S1111
EXECUTION OF PRINT PROCESSING
NOTICE ON END OF PRINTING (NOTICE ON NUMBER OF COPIES FOR PRINTING, ETC.)
S1112
NOTICE ON END OF PRINTING BY ELECTRIC MAIL
S1113

FIG. 54

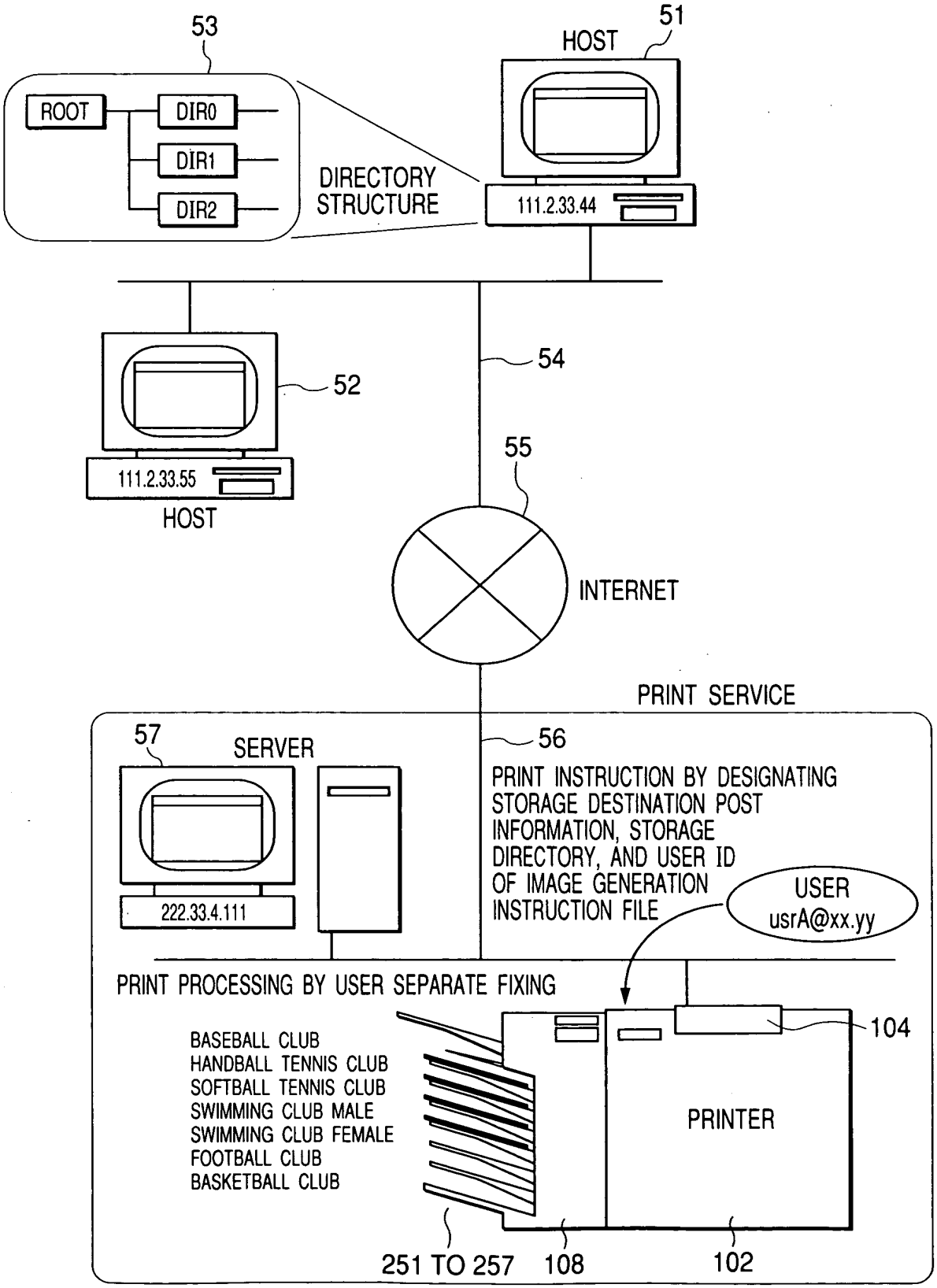

53
ROOT
DIR0
DIR1
DIR2
DIRECTORY STRUCTURE
51
HOST
111.2.33.44
52
111.2.33.55
HOST
54
55
INTERNET
PRINT SERVICE
57
SERVER
222.33.4.111
56
PRINT INSTRUCTION BY DESIGNATING STORAGE DESTINATION POST INFORMATION, STORAGE DIRECTORY, AND USER ID OF IMAGE GENERATION INSTRUCTION FILE
USER
usrA@xx.yy
PRINT PROCESSING BY USER SEPARATE FIXING
BASEBALL CLUB
HANDBALL TENNIS CLUB
SOFTBALL TENNIS CLUB
SWIMMING CLUB MALE
SWIMMING CLUB FEMALE
FOOTBALL CLUB
BASKETBALL CLUB
104
PRINTER
251 TO 257
108
102

FIG. 55

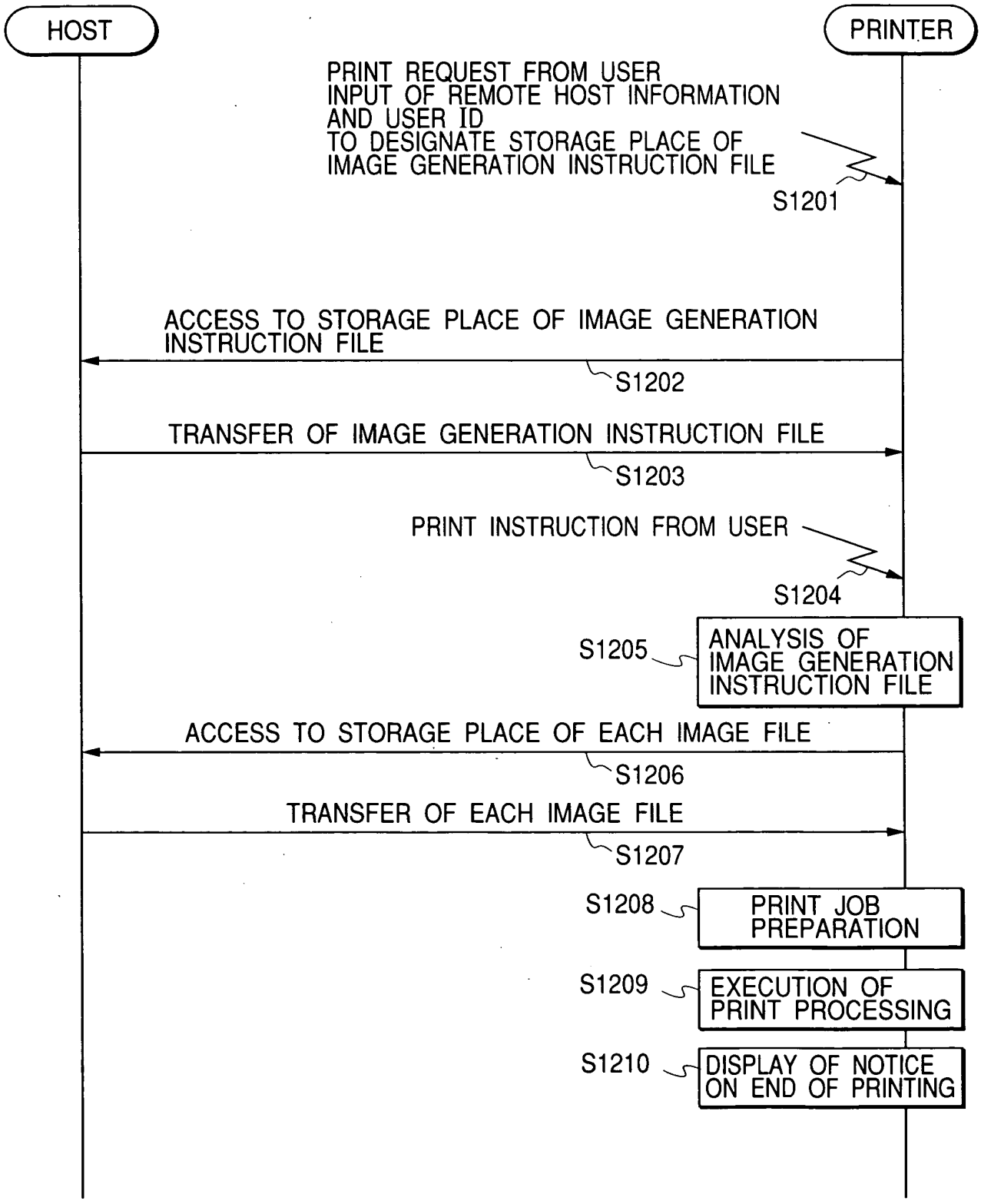

HOST
PRINTER
PRINT REQUEST FROM USER
INPUT OF REMOTE HOST INFORMATION
AND USER ID
TO DESIGNATE STORAGE PLACE OF
IMAGE GENERATION INSTRUCTION FILE
S1201
ACCESS TO STORAGE PLACE OF IMAGE GENERATION INSTRUCTION FILE
S1202
TRANSFER OF IMAGE GENERATION INSTRUCTION FILE
S1203
PRINT INSTRUCTION FROM USER
S1204
S1205
ANALYSIS OF IMAGE GENERATION INSTRUCTION FILE
ACCESS TO STORAGE PLACE OF EACH IMAGE FILE
S1206
TRANSFER OF EACH IMAGE FILE
S1207
S1208
PRINT JOB PREPARATION
S1209
EXECUTION OF PRINT PROCESSING
S1210
DISPLAY OF NOTICE ON END OF PRINTING

FIG. 56

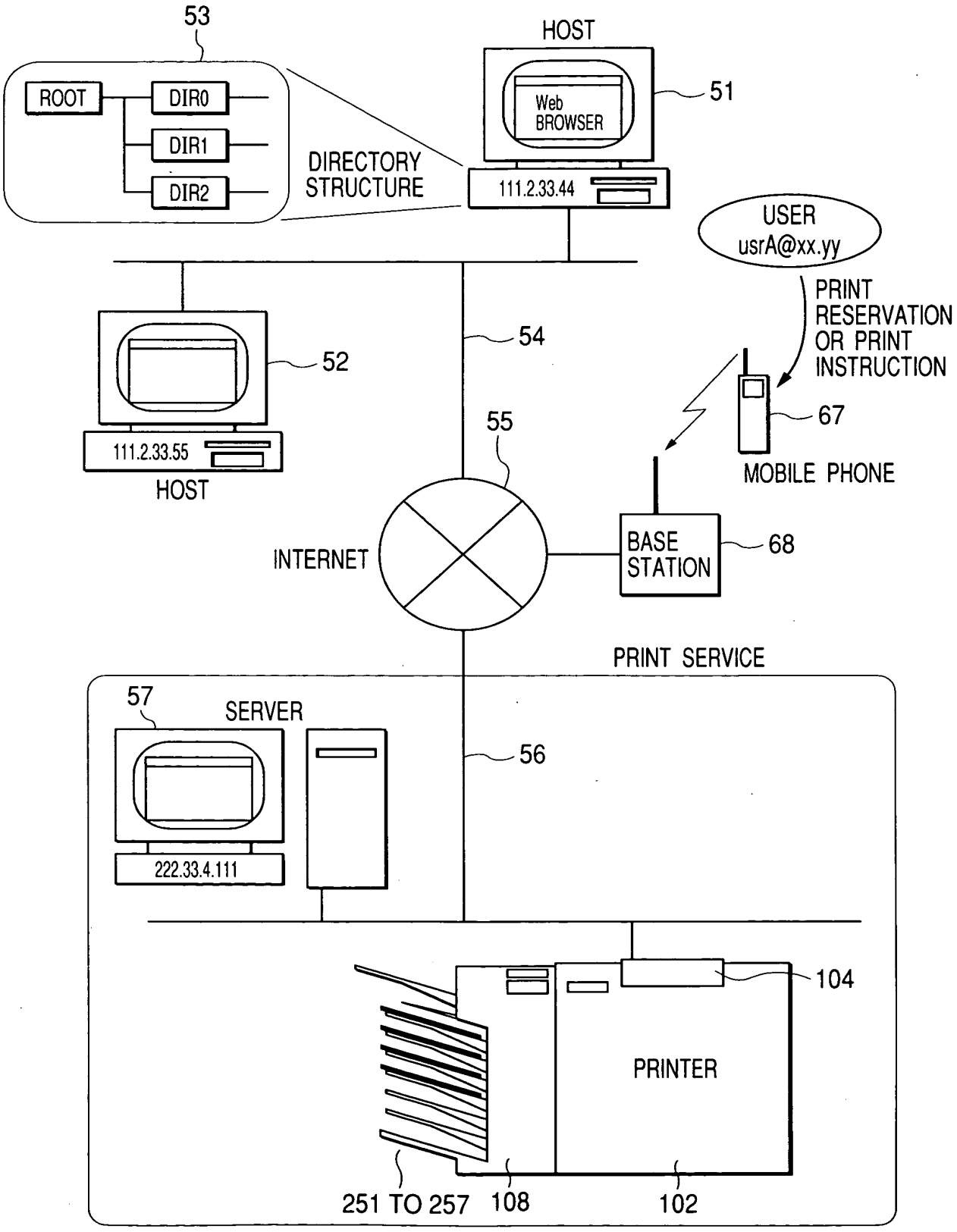

53
ROOT
DIR0
DIR1
DIR2
DIRECTORY STRUCTURE
HOST
Web BROWSER
51
111.2.33.44
USER
usrA@xx.yy
PRINT RESERVATION OR PRINT INSTRUCTION
54
52
111.2.33.55
HOST
55
67
MOBILE PHONE
INTERNET
BASE STATION
68
PRINT SERVICE
57
SERVER
56
222.33.4.111
104
PRINTER
251 TO 257
108
102

FIG. 57

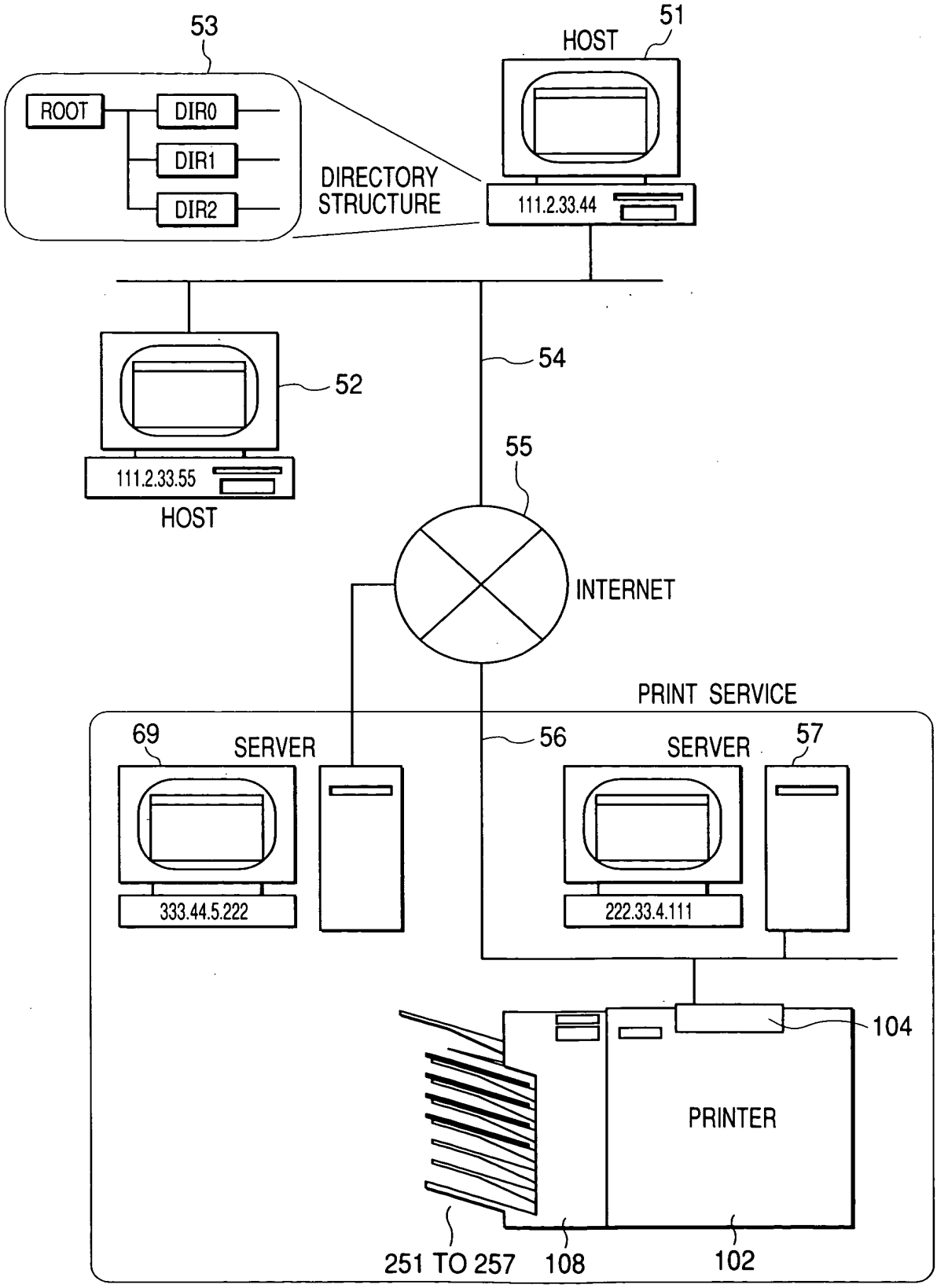
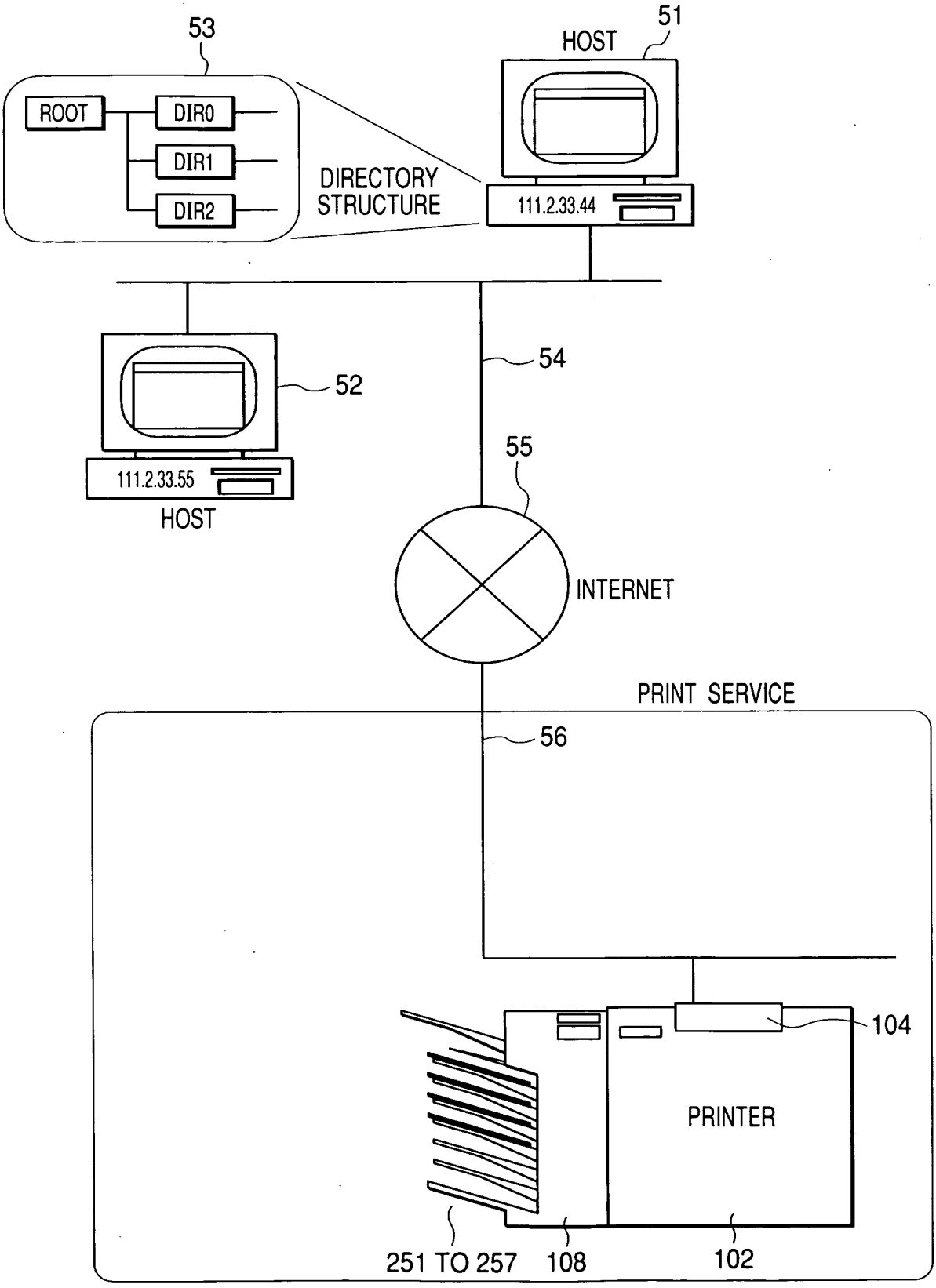

53
ROOT
DIR0
DIR1
DIR2
DIRECTORY STRUCTURE
51
HOST
111.2.33.44
54
52
111.2.33.55
HOST
55
INTERNET
PRINT SERVICE
69
SERVER
333.44.5.222
56
SERVER
57
222.33.4.111
104
PRINTER
251 TO 257
108
102

FIG. 58


53
ROOT
DIR0
DIR1
DIR2
DIRECTORY STRUCTURE
51
HOST
111.2.33.44
54
52
111.2.33.55
HOST
55
INTERNET
PRINT SERVICE
56
104
PRINTER
251 TO 257
108
102